TEAC®

SERVICE MANUAL

R-888X/V-850X/V-750

Stereo Cassette Deck

5704026600

Effective: September, 1985 B-50116

1 SPECIFICATIONS

仕　　様

Notes:

1. Improvements may result in changes in specifications.
2. 0dB is referenced to 0.775 V in this manual.
3. Specifications were determined using metal tape except as note (*).

R-888X

Track System	4-Track, 2-Channel Stereo
Heads	4:2 Erase, and 1 Record and 1 Playback (Rotary)
Type of Tape	Cassette tape C-60 and C-90 (Philips type)
Tape Speed	4.76 cm/sec. (1-7/8 ips)
Motors	3:1 DC Servo motor (for capstan drive) 1 DC motor (for reel drive) 1 DC motor (for ancillary control)
Wow and Flutter (WRMS)	0.029%
Frequency Response (Overall, −20 dB)	20 – 21,000 Hz Metal Tape (25 –20,000 Hz ±3 dB) 20 – 20,000 Hz CrO_2 Tape (25 – 19,000 Hz ±3 dB) 20 – 18,000 Hz Normal Tape (25 – 17,000 Hz ±3 dB)
Signal-to-Noise Ratio (Overall)	60 dB (3% THD Level, Weighted) 70 dB (Dolby B In, over 5 kHz), 80 dB (Dolby C In, over 1 kHz), 92 dB (dbx In, at 1 kHz)
Dynamic Range	110 dB (dbx in, 1 kHz Peak Level)
Fast Winding Time	Approximately 70 seconds for C-60
Inputs	Line: 87 mV, 40k ohms
Outputs	Line: 0.43 V for load impedance of 50k ohms or more Headphones: 2 mW (8 ohms)
Power Requirements	100/120/220/240 V AC, 50/60 Hz (General export models) 120 V AC, 60 Hz (U.S.A./Canada) 220 V AC, 50 Hz (Europe) 240 V AC, 50 Hz (U.K./Australia) 100 V AC, 50/60 Hz (Japan)
Power Consumption	27 W
Dimensions (W x H x D)	See Fig. 1-1
Weight	6 kg (13-4/16 lbs) net

CAUTION

⚠ Parts marked with this sign are safety critical components. They must always be replaced with identical components – refer to the appropriate parts list and ensure exact replacement.

- Dolby Noise Reduction System manufactured under license from Dolby Laboratories Licensing Corporation.
  "Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.
- dbx Noise Reduction system made under license from dbx, Incorporated. The name "dbx" and the dbx symbol are trademarks of dbx, Incorporated.

注

1. 仕様は改善のため，予告なく変更することがあります。
2. 本マニュアルの0dBは0.775Vを基準としています。
3. 仕様は特に表示した項目を除き，メタル·テープを使用して測定したものです。

V-850X/V-750

Track System	4-Track 2-Channel Stereo
Heads	3:1 Erase, 1 Record and 1 Playback (Combination)
Type of Tape	Cassette tape C-60 and C-90 (Philips type)
Tape Speed	4.76 cm/sec. (1-7/8 ips)
Motors	3:1 DC Servo motor (for capstan drive) 1 DC motor (for reel drive) 1 DC motor (for ancillary control)
Wow and Flutter (WRMS)	0.03%
Frequency Response (Overall, −20 dB)	20 – 21,000 Hz (25 – 20,000 Hz ±3 dB), Metal Tape 20 – 20,000 Hz (25 – 19,000 Hz ±3 dB), CrO_2 Tape 20 – 18,000 Hz (25 – 17,000 Hz ±3 dB), Normal Tape
Signal-to-Noise Ratio (Overall)	60 dB (3% THD Level, Weighted) 70 dB (Dolby B NR in, over 5 kHz), 80 dB (Dolby C NR in, over 1 kHz), 92 dB (dbx NR in, 1 kHz) (V-850X)
Dynamic Range	110 dB (dbx NR in, 1 kHz, Peak Level) (V-850X)
Fast Winding Time	Approximately 80 seconds for C-60
Inputs	Line: 87 mV, 40k ohms Microphone: 0.35 mV/−67 dB (600 ohms or more)
Outputs	Line: 0.43 V for load impedance of 50k ohms or more Headphones: 2 mW (8 ohms)
Power Requirements	100/120/220/240 V AC, 50/60 Hz (General export model) 120 V AC, 60 Hz (U.S.A./Canada) 220 V AC, 50 Hz (Europe) 240 V AC, 50 Hz (U.K./Australia) 100 V AC, 50/60 Hz (Japan)
Power Consumption	23 W
Dimensions (W x H x D)	See Fig. 1-1
Weight	5.8 kg (12-13/16 lbs.) net (V-850X) 5.5 kg (12-2/16 lbs.) net (V-750)

注　意

⚠印は安全重要部品です．交換する時は必ずティアック指定の部品を使用してください．

- ドルビーノイズリダクションシステムは，ドルビー研究所からの実施権に基づき製造されています．
- ドルビー及び DDは，ドルビー研究所の登録商標です．
- dbxおよびdbxマークはdbxインコーポレーテッドの登録商標です．
- dbxシステムはdbxインコーポレーテッドの実施権に基づいて製造されています．

3 PARTS LOCATION

部品配置図

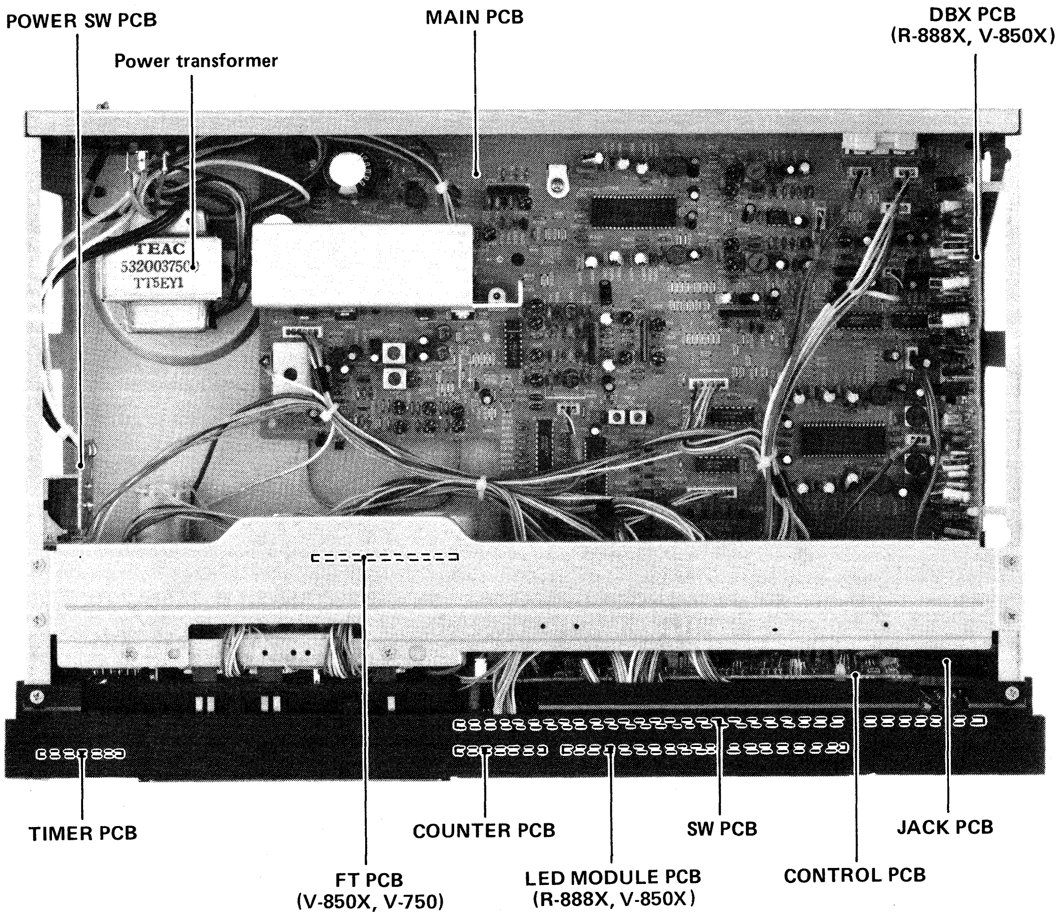

POWER SW PCB
Power transformer
MAIN PCB
DBX PCB
(R-888X, V-850X)
TEAC
53200375C
TT5EY1
TIMER PCB
COUNTER PCB
SW PCB
JACK PCB
FT PCB
(V-850X, V-750)
LED MODULE PCB
(R-888X, V-850X)
CONTROL PCB

Fig. 3-1 Top view 上面図

2 REMOVAL OF EXTERNAL COMPONENTS

外装部品の外し方

Disassemble in number-order
番号順に外して下さい

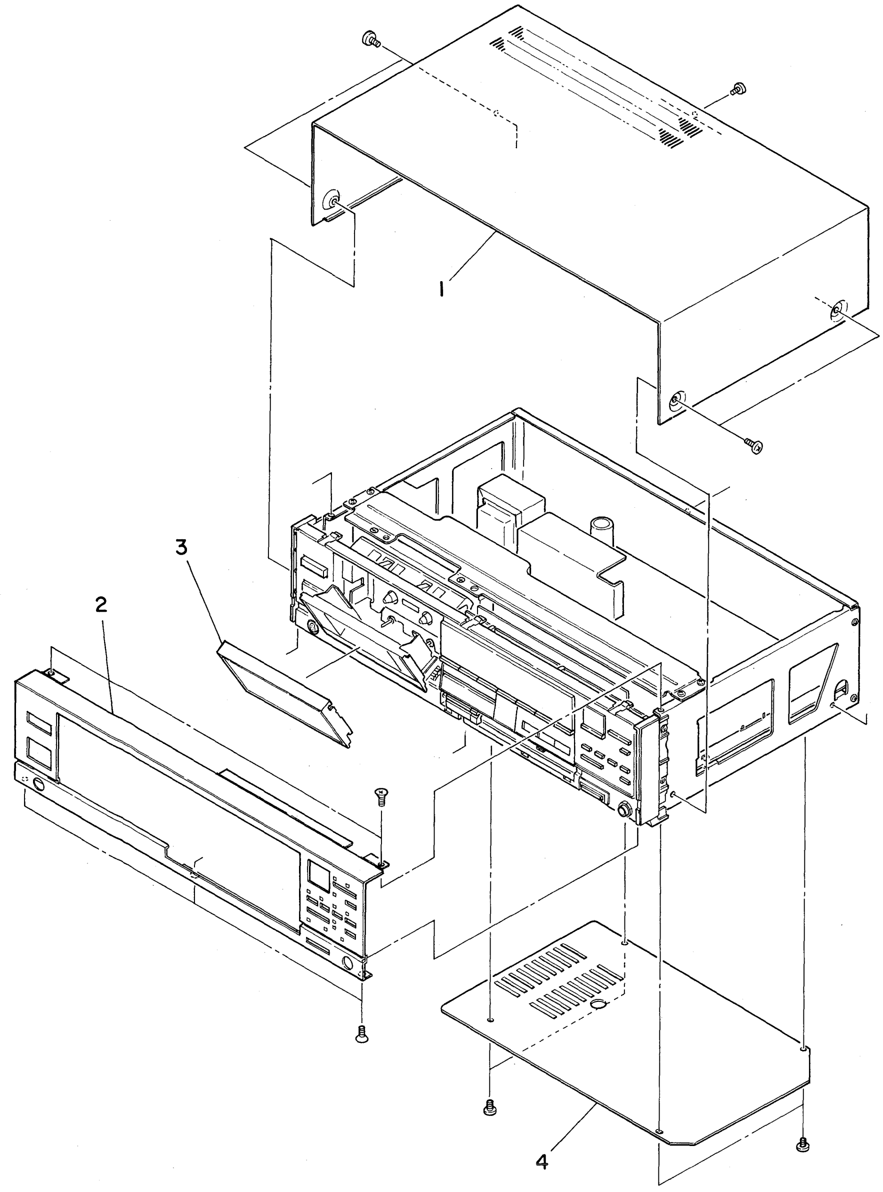


Fig. 2-1

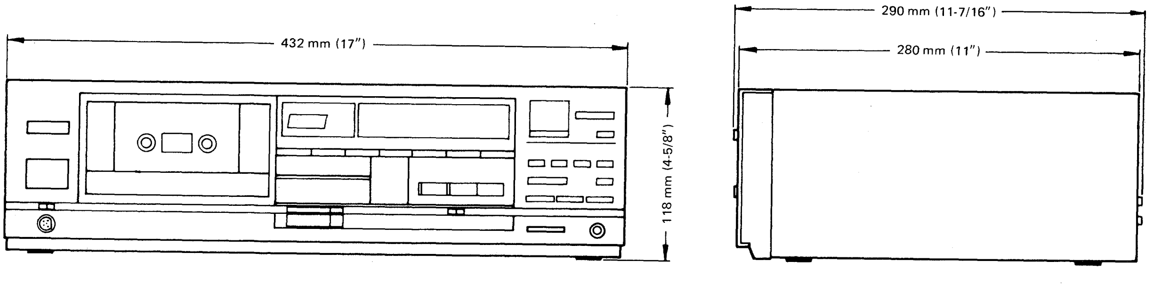

432 mm (17")
118 mm (4-5/8")
290 mm (11-7/16")
280 mm (11")

Fig. 1-1

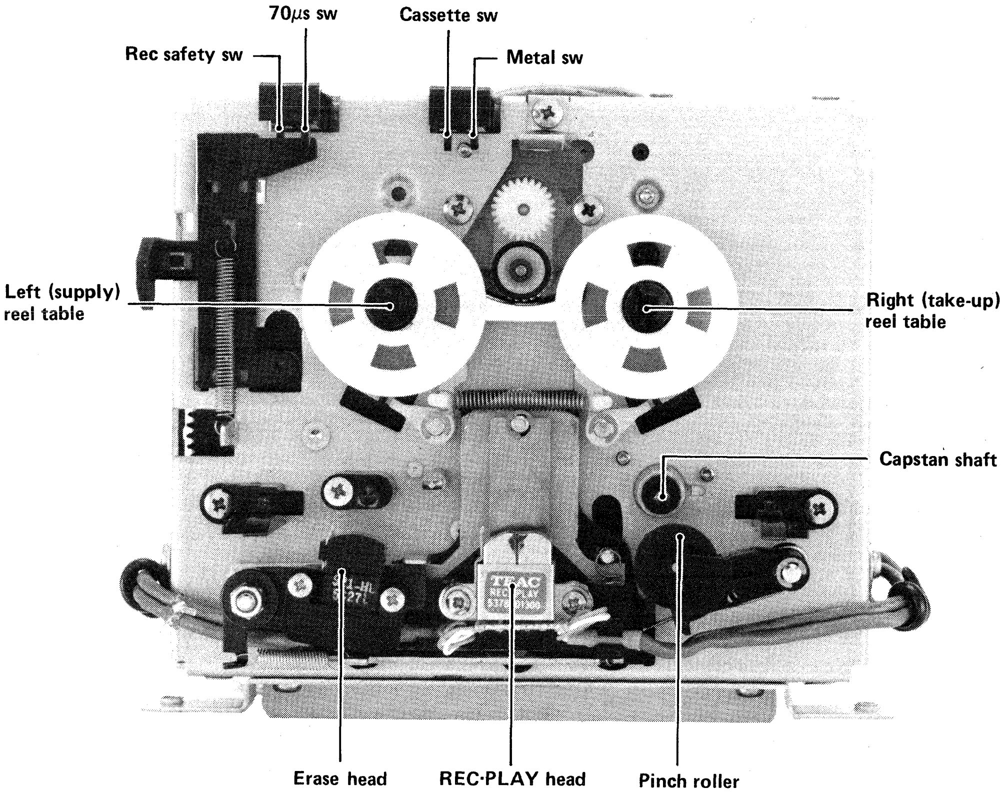

70µs sw
Cassette sw
Rec safety sw
Metal sw
Left (supply) reel table
Right (take-up) reel table
Capstan shaft
Erase head
REC·PLAY head
Pinch roller

Fig. 3-4 Transport front view トランスポート前面図 (V-850X/V-750)

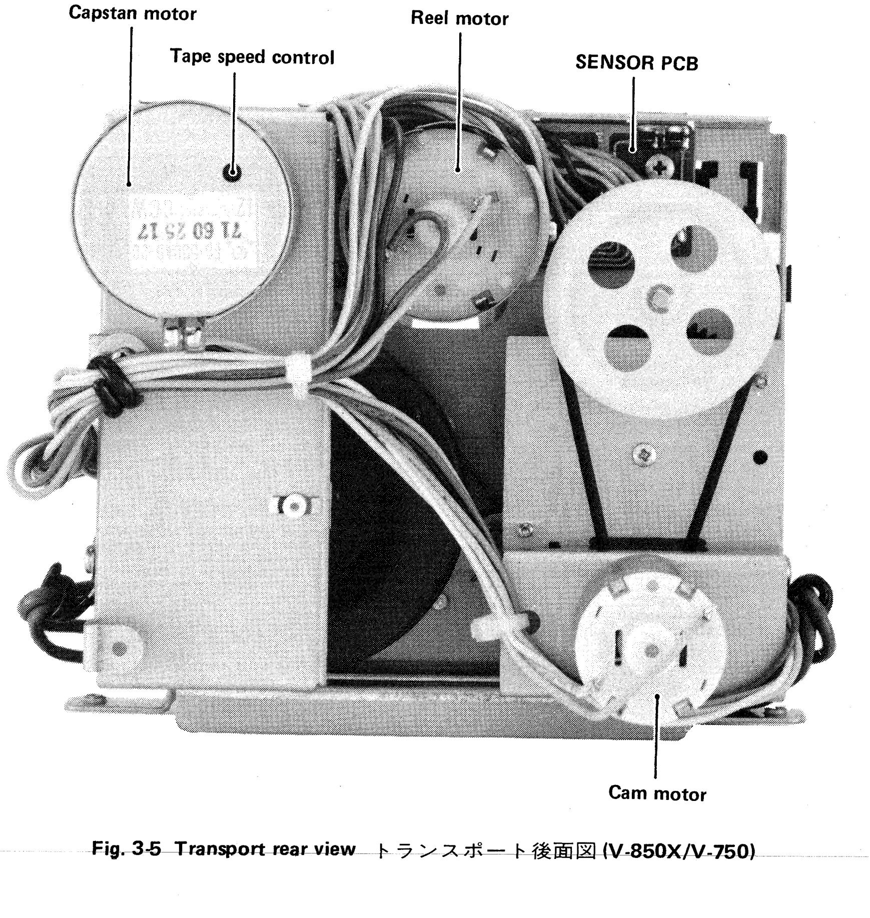

Capstan motor
Tape speed control
Reel motor
SENSOR PCB
Cam motor

Fig. 3-5 Transport rear view トランスポート後面図 (V-850X/V-750)

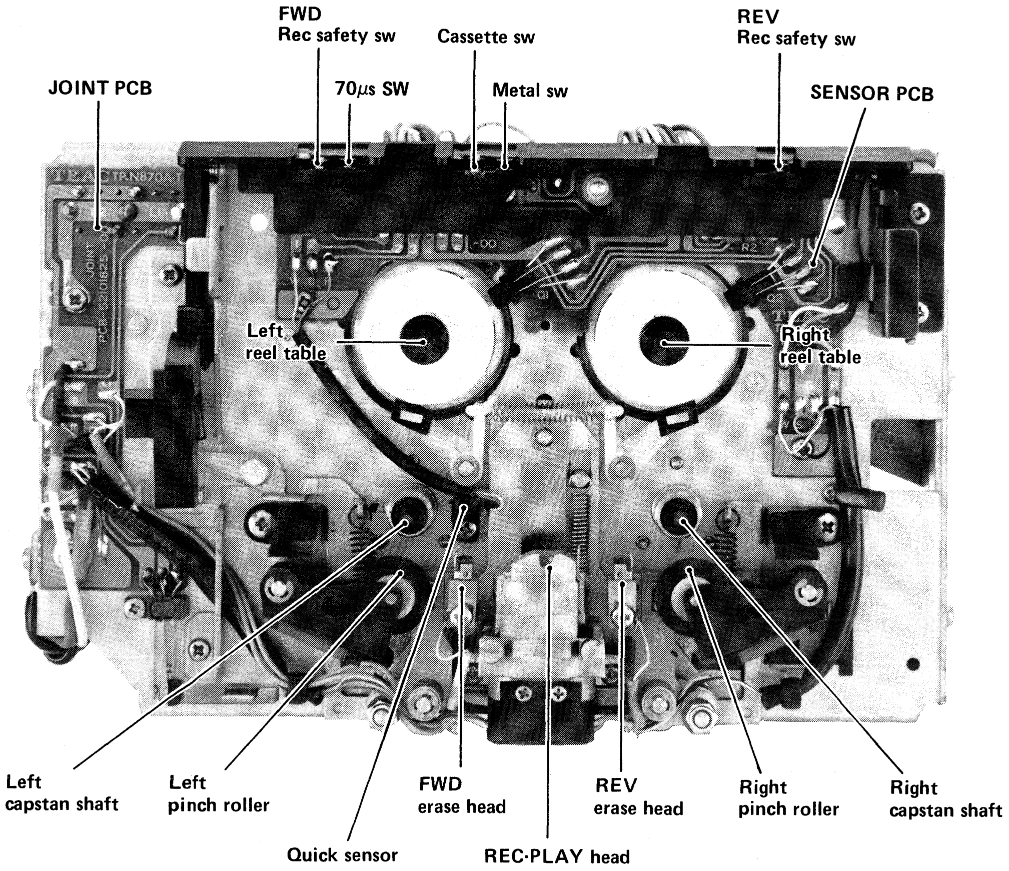

FWD
Rec safety sw
Cassette sw
REV
Rec safety sw
JOINT PCB
70μs SW
Metal sw
SENSOR PCB
Left
reel table
Right
reel table
Left
capstan shaft
Left
pinch roller
FWD
erase head
REV
erase head
Right
pinch roller
Right
capstan shaft
Quick sensor
REC·PLAY head

Fig. 3-2 Transport front view トランスポート前面図 (R-888X)

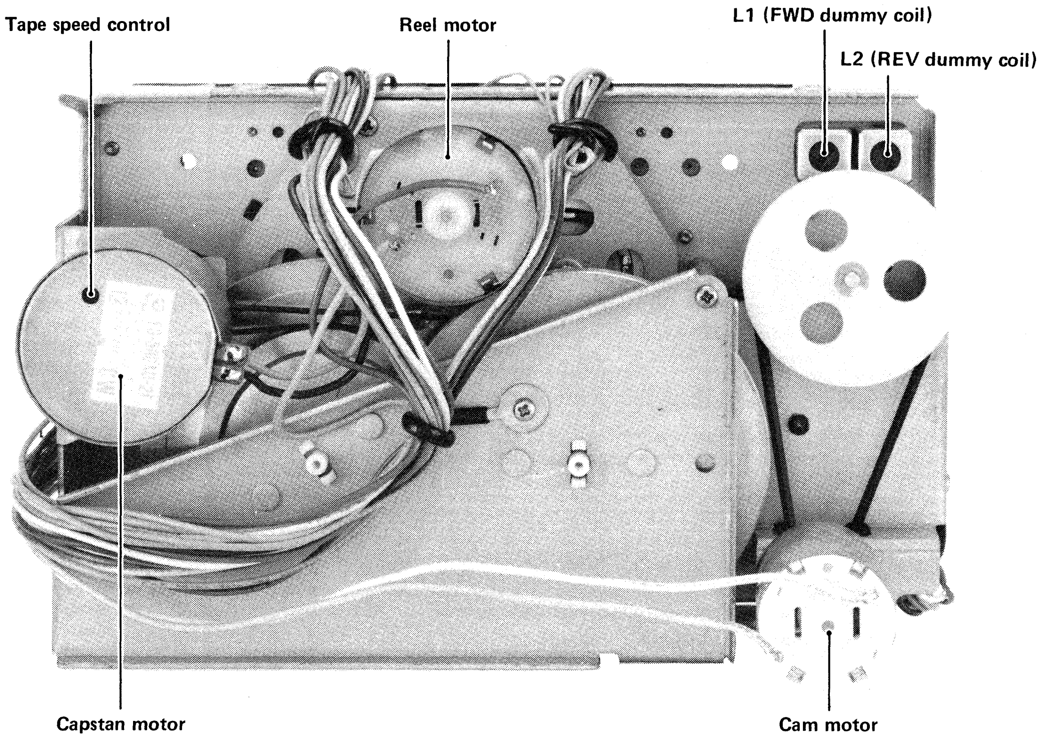

Tape speed control
Reel motor
L1 (FWD dummy coil)
L2 (REV dummy coil)
Capstan motor
Cam motor

Fig. 3-3 Transport rear view トランスポート後面図 (R-888X)

R-888X

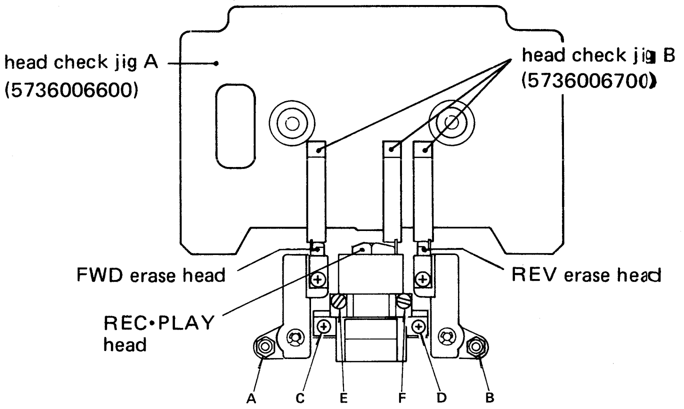


Fig. 4-4 Head height adjustment

START

Erase Head Height Adjustment (Using Jigs)

1. Connect the deck to test equipment as shown in Fig. 4-2.
2. Insert the head check jig A into the cassette holder. Close the holder then push the jig in firmly.
3. Check, in FWD play*, height of FWD erase head's tape guide using head check jig B. If needed, adjust by turning nut A.
4. Similarly, check REV erase head in REV play*. If needed, adjust by turning nut B.
5. Repeat steps 3 and 4 until both requirements are satisfied.

* Pushing up the cassette switch (Fig. 3-2), place in play mode. Keep the switch pushed up during adjustments.

REC•PLAY Head Height Adjustment

1. Check, in FWD play*, height of REC•PLAY head's tape guide using head check jig B.
2. In REV play*, check it also.

Tape guide height?

- In both FWD and REV, higher (lower).

Replace spacers below screws C and D with thinner (thicker) ones. (For both C and D, the same number of spacers having same thickness should be added or substracted).

Description	Thickness	Parts Number
Spacer A	0.1 mm	5800595000
Spacer B	0.2 mm	5800595100
Spacer C	0.28 mm	5800595200

REC•PLAY Head Spacers

- In both FWD and REV, the head check jig B can just pass smoothly between the edges of the guide.

or

- Between FWD and REV, relative height is reversed (ex.: higher in FWD, lower in REV).

REC•PLAY Head Azimuth Adjustment

1. Playing a MTT-150 tape in the FWD or REV direction, check that the phase relationship between L-ch and R-ch is within 45°.
2. Playing 10 kHz section of a MTT-356 or MTT-256 tape in the forward direction, adjust screw E so that phase relationship becomes 0°.
3. In REV play, make the same adjustment with screw F.

How many degrees was screw(s) in steps 2 and 3 turned?

More than 45°

Less than 45°

Tape Path Adjustment

Playing MTT-902 mirror tape in FWD and REV, check the following contents.

- Is there tape curling at each tape guide?
- Is the head core (silver) of the REC•PLAY head visible from the tape edge?

- Curling occurred
- Visible
- Not touching

Erase Head Height Adjustment (Using Tape)

Using MTT-902 tape, correct by repeating tape guide height adjustments between FWD erase head in FWD play and REV erase head in REV play.
Adjust screw A for FWD erase head, screw B for REV erase head.

- No curling
- Not visible
- Touches

COMPLETED

4 MECHANICAL ADJUSTMENTS AND CHECKS

機構部の調整と確認

4-1 PINCH ROLLER PRESSURE

1. While pushing up the cassette switch with the cassette holder shut (Fig. 3-3, 3-5), place in forward play mode. Keep the cassette switch pushed up during measurement.
2. Hook a spring scale to the right pinch roller arm.
3. Pull the scale in the direction shown by the arrow until there is sufficient force to separate the pinch roller from the right capstan shaft, and then allow the pinch roller to slightly touch the capstan shaft again.
4. Read the scale when the pinch roller just starts to rotate. The readings should be as specified below.
   Specification:
   R-888X 380 g ~ 480 g (13.4 oz ~ 16.9 oz)
   V-850X, V-750 } 400 g ~ 500 g (14.1 oz ~ 17.6 oz)
5. Repeat the above procedure with the exceptions of reverse play mode and left pinch roller. (R-888X)

4-1 ピンチ・ローラ圧着力

1. カセット・ホルダを閉じた状態で，カセット・スイッチ(Fig.3-3,5)を上方に押して，FWDプレイ・モードにする。測定中，カセット・スイッチは上方に押し続けること。
2. 右ピンチ・ローラ・アームにバネ秤を掛ける。
3. 秤を右ピンチ・ローラの回転が止まるまで図示の方向に引張った後，ピンチ・ローラが再びキャプスタン・シャフトに接触するように徐々に戻す。
4. 右ピンチ・ローラが回りはじめるときの値を読む。
   規格値; R-888X－380g～480g
   V-850X／V-750－400g～500g
5. 左ピンチ・ローラもREVプレイ・モードで同様に測定する。規格値は上記と同じ。(R-888X)

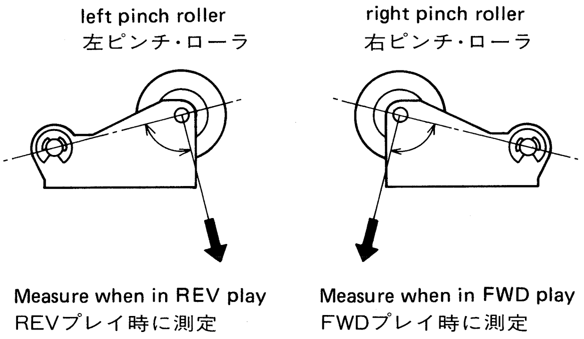

left pinch roller
左ピンチ・ローラ
right pinch roller
右ピンチ・ローラ
Measure when in REV play
REVプレイ時に測定
Measure when in FWD play
FWDプレイ時に測定

Fig. 4-1 Pinch roller pressure measurement ピンチ・ローラ圧着力測定

4-2 TAPE PATH ADJUSTMENT

Note: The following special tools and tapes are required for this section.
Head check jig A (P/N 5736006600)
Head check jig B (P/N 5736006700)
MTT-150 test tape (for Dolby level calibration)
MTT-356 (or MTT-256) test tape (for frequency response check)
MTT-902 mirror tape (C-90 type)

4-2 テープ走行調整

注：この調整を行うためには次の治具，テスト・テープが必要です。
ヘッド治具A (P／N: 5736006600)
ヘッド治具B (P／N: 5736006700)
MTT-150 テスト・テープ(ドルビー・レベル・セット用)
MTT-356 (又はMTT-256) テスト・テープ(周波数特性測定用)
MTT-902 ミラー・テープ (C-90型)

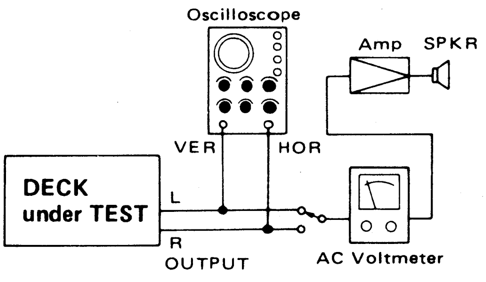

Oscilloscope
Amp
SPKR
VER
HOR
DECK under TEST
L
R
OUTPUT
AC Voltmeter

Fig. 4-2 Test setup for azimuth adjustment
アジマス調整接続

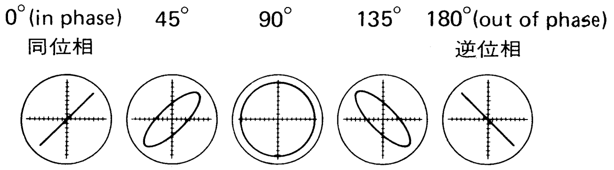

0°(in phase)
同位相
45°
90°
135°
180°(out of phase)
逆位相

Fig. 4-3 Confirming phase relationship
位相関係図

R-888X

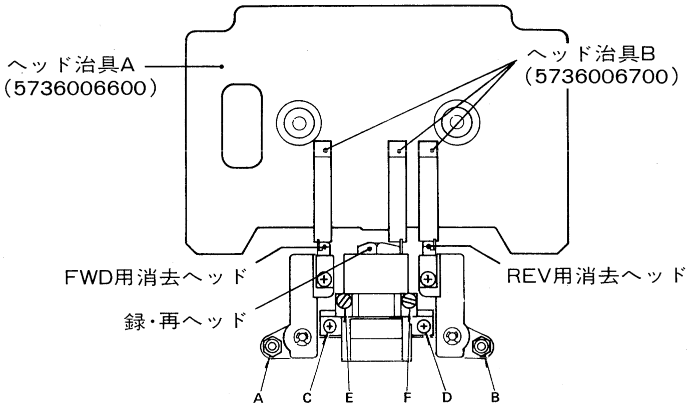
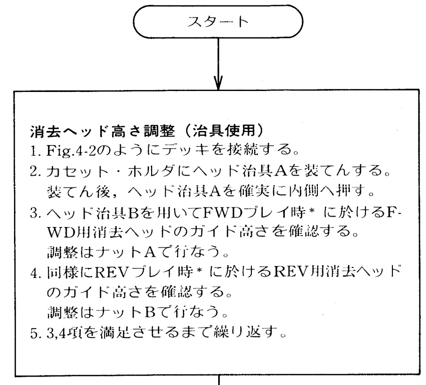
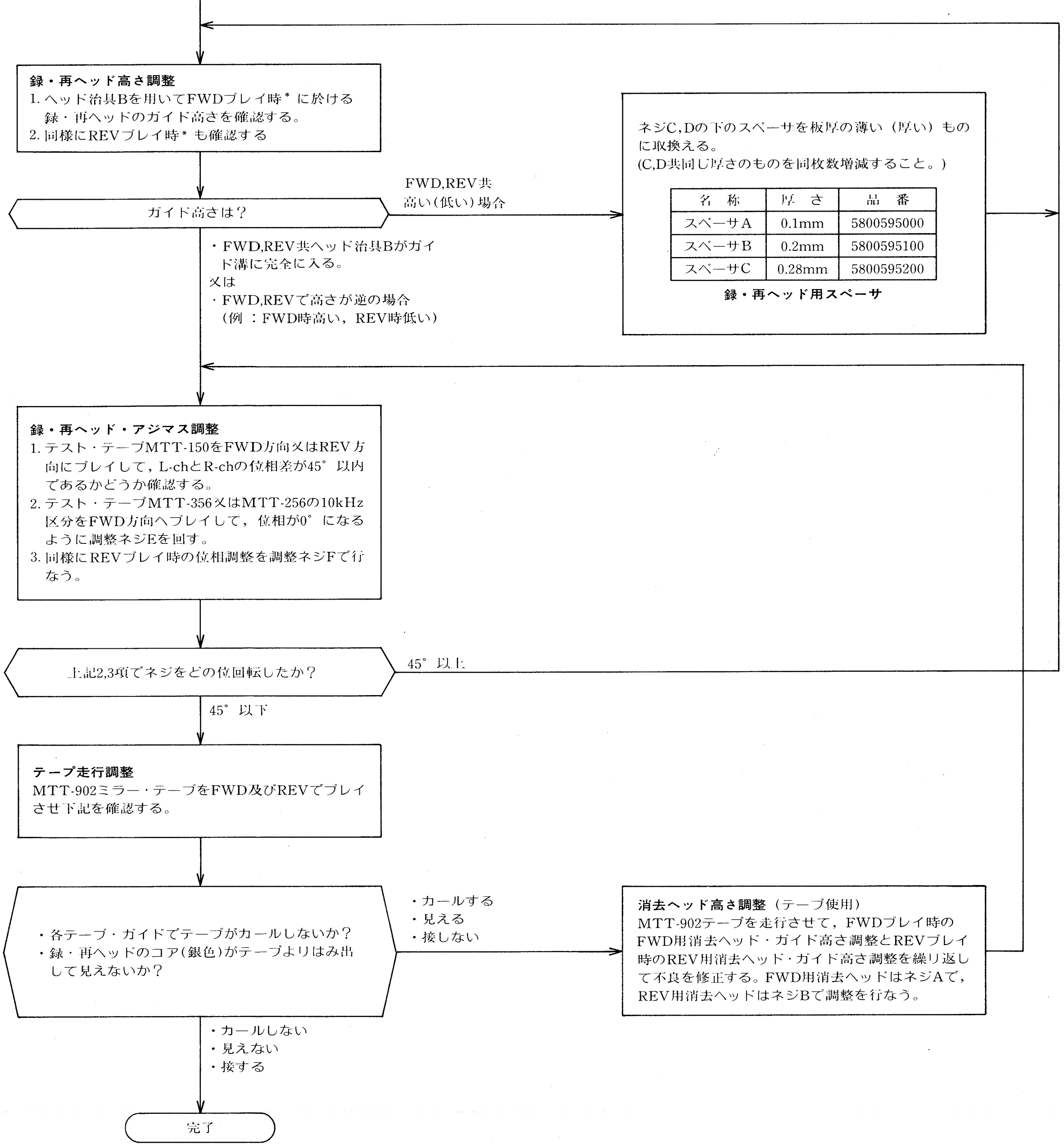

ヘッド治具A
(5736006600)
ヘッド治具B
(5736006700)
FWD用消去ヘッド
録・再ヘッド
REV用消去ヘッド
A
C
E
F
D
B

Fig. 4-4 ヘッド高さ調整



スタート
FWD,REV共
高い(低い)場合
45° 以上
45° 以下
・カールする
・見える
・接しない
・カールしない
・見えない
・接する
完了

消去ヘッド高さ調整（治具使用）
1. Fig.4-2のようにデッキを接続する。
2. カセット・ホルダにヘッド治具Aを装てんする。装てん後，ヘッド治具Aを確実に内側へ押す。
3. ヘッド治具Bを用いてFWDプレイ時* に於けるFWD用消去ヘッドのガイド高さを確認する。調整はナットAで行なう。
4. 同様にREVプレイ時* に於けるREV用消去ヘッドのガイド高さを確認する。調整はナットBで行なう。
5. 3,4項を満足させるまで繰り返す。

録・再ヘッド高さ調整
1. ヘッド治具Bを用いてFWDプレイ時* に於ける録・再ヘッドのガイド高さを確認する。
2. 同様にREVプレイ時* も確認する

ガイド高さは？

・FWD,REV共ヘッド治具Bがガイド溝に完全に入る。
又は
・FWD,REVで高さが逆の場合
（例 ：FWD時高い，REV時低い）

ネジC,Dの下のスペーサを板厚の薄い（厚い）ものに取換える。
(C,D共同じ厚さのものを同枚数増減すること。)

名　称	厚　さ	品　番
スペーサA	0.1mm	5800595000
スペーサB	0.2mm	5800595100
スペーサC	0.28mm	5800595200

録・再ヘッド用スペーサ

録・再ヘッド・アジマス調整
1. テスト・テープMTT-150をFWD方向又はREV方向にプレイして，L-chとR-chの位相差が45° 以内であるかどうか確認する。
2. テスト・テープMTT-356又はMTT-256の10kHz区分をFWD方向へプレイして，位相が0° になるように調整ネジEを回す。
3. 同様にREVプレイ時の位相調整を調整ネジFで行なう。

上記2,3項でネジをどの位回転したか？

テープ走行調整
MTT-902ミラー・テープをFWD及びREVでプレイさせ下記を確認する。

・各テープ・ガイドでテープがカールしないか？
・録・再ヘッドのコア(銀色)がテープよりはみ出して見えないか？

消去ヘッド高さ調整（テープ使用）
MTT-902テープを走行させて，FWDプレイ時のFWD用消去ヘッド・ガイド高さ調整とREVプレイ時のREV用消去ヘッド・ガイド高さ調整を繰り返して不良を修正する。FWD用消去ヘッドはネジAで，REV用消去ヘッドはネジBで調整を行なう。

* カセット・スイッチ(Fig.3-2)を上方に押して，プレイ・モードにする。
プレイ・モード中，スイッチは上方に押し続けること。

V-850X/V-750

1. Turn the azimuth adj. screw so that observing by eye the REC. PLAY head becomes parallel with the mechanism chassis as far as possible.
2. Press the EJECT button to open the cassette holder. Insert the head check jig A into the cassette holder. Close the holder then push the jig in firmly.

   Notes:
   - Head check jig A should be inserted with its edge set at the bottom of the cassette holder.
   - Be careful for the head check jig A not move off the cassette holder when closing the cassette holder.
3. Making sure that in play mode the head check jig B touches the surface of the REC.PLAY head, adjust head position so that the slanted edge of the head check jig B comes to rest approximately in the middle between the two line markers on the head check jig. A. For adjusting, loosen the head position adj. screw, then adjust head position, and complete by tightening the screw.
4. Set the head check jig B as shown in Fig. 4-8 so that the head check jig B can just pass through smoothly between the tape guides. If head height is too low, add the head spacer*. If it is too high, remove the head spacer. Height adjustment should be satisfied together with parallel adjustment mentioned in step 1.

   * Head spacer: TEAC P/N 5800468900, thickness 0.15 mm
5. In the same way as above, check the erase head height using the head check jig B. If needed, adjust it by turning the adj. nut.
6. Play a C-90 type mirror tape (MTT-902, etc.) and check the following contents.
   - The head core (silver) of the REC.PLAY head should not be visible from the tape edge.
   - Any noticeable tape curling should not occur on the sides of the REC.PLAY head guide.
   - Moving tape should touch the erase head's upper guide.
7. In play mode, check the following contents.
   - The clearance between erase head plate/head stopper: more than 0.3 mm (Adjust by bending the stopper)

V-850X/V-750

1．録・再ヘッドとメカ・シャーシーが目測にてできるだけ平行になるようにアジマス調整ネジを回す．

2．EJECTボタンを押してカセット・ホルダを開く．ヘッド治具Aを入れてカセット・ホルダを閉じる．閉じた後はヘッド治具Aを確実に内側へ押す．

注意：
- ヘッド治具Aはその底端部がカセット・ホルダにて支持されるように入れること．
- カセット・ホルダを閉じる際，ヘッド治具Aがホルダーから外れないこと．

3．プレイ状態にしてヘッド治具Bを録・再ヘッドの先端に当てた時，その治具Bがヘッド治具Aのマーカ基準範囲内のほゞ中央になるようヘッドの位置を調整する．調整はヘッドの位置調整ネジをゆるめて行ない，再締めして完了する．

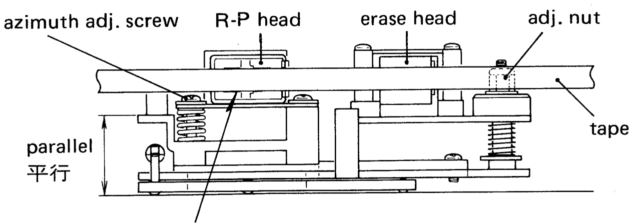
4．ヘッド治具Bを図4-8のようにセットした時，録・再ヘッドのテープ・ガイドをスムーズに通り抜けることを確認する．若し，ヘッドの高さが低い時はヘッド・スペーサ＊を追加し，低い場合はヘッド・スペーサを外す．高さ調整は1項の平行度も満足させて行なうこと．

＊ヘッド・スペーサ：TEAC品番 5800468900，板厚 0.15mm

5．上記と同様の方法でヘッド治具Bを用いて消去ヘッドの高さをチェックする．調整は調整ナットによって行なう．

6．C-90型ミラー・テープ(MTT-902)を走行させ，次のことを確認する．
- 録・再ヘッドのコア(銀色)がテープよりはみだして見えないこと．
- 録・再ヘッドのガイドでテープがカールしないこと．
- 消去ヘッドの上側ガイドにテープが接すること．

7．プレイ状態にて次のことを確認する．
- 消去ヘッド取付板とヘッド・ストッパとのスキ間：0.3mm以上(調整はヘッド・ストッパを曲げて行なう)



Make sure the head core (silver) is not visible.
ヘッドのコア(銀色)は見えないこと

Fig. 4-5

Make sure there is a gap in play mode.
PLAY時にすき間があること

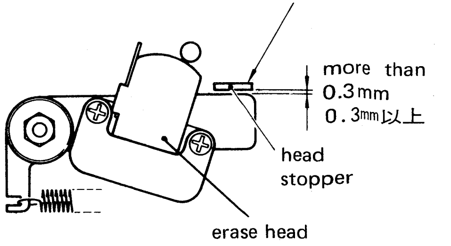


Fig. 4-6

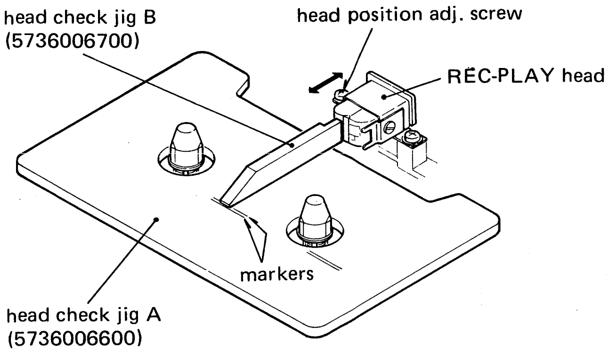

head check jig B
(5736006700)
head position adj. screw
REC-PLAY head
markers
head check jig A
(5736006600)

Fig. 4-7

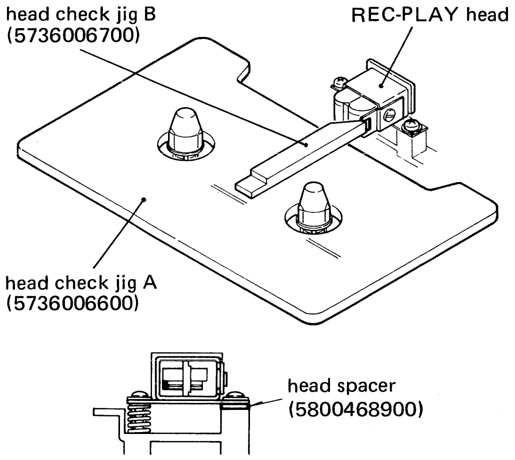

head check jig B
(5736006700)
REC-PLAY head
head check jig A
(5736006600)
head spacer
(5800468900)

Fig. 4-8

4-3 PHOTO SENSOR ADJUSTMENT (R-888X)

1. Connect DC voltmeter as shown in Fig. 4-9.
2. Playing, in REV direction, magnetic tape portion of test tape consists of elements in Fig. 4-10 (MTT-5551 tape, etc.), adjust R14 so that a voltage of 3.3 V is obtained at TP.
3. In FWD play, similarly adjust R13 for obtaining a voltage of 3.3 V.
4. Re-check that voltage in REV play does not change from 3.3 V.
5. Set AUTO REVERSE switch in ⊂⊃ position, then play tape in FWD mode from point A in Fig. 4-10. Check that tape motion changes in REV play mode at point B, then changes in FWD play mode at point A.

4-3 フォト・センサ調整 (R-888X)

1. DC電圧計をFig.4-9のように接続する。
2. Fig.4-10に示す構成のテスト・テープ(MTT-5551等) の磁気テープ部分をREVプレイで走行させたとき，TPの電圧が3.3VになるようR14を調整する。
3. 同様にFWDプレイで走行させ，TPの電圧が3.3VになるようR13 を調整する。
4. REVプレイ時にTPの電圧が3.3Vから変らないことを再確認する。
5. AUTO REVERSEスイッチを ⊂⊃ 位置にセットし，テープをFig.4-10のA点よりFWDプレイさせる。
テープがB点の位置でREVプレイに反転し，その後A点の位置から再びFWDプレイ動作することを確認する。

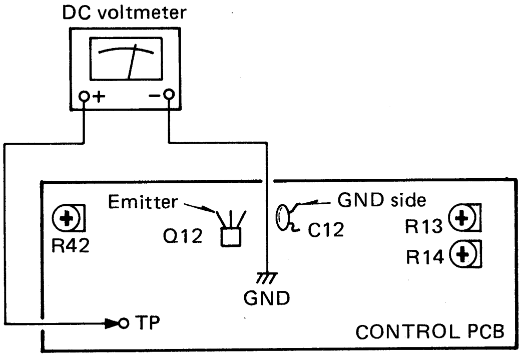

DC voltmeter
+
−
Emitter
Q12
R42
GND side
C12
R13
R14
GND
TP
CONTROL PCB

Fig. 4-9 Photo sensor adjustment (1) フォト・センサ調整(1)

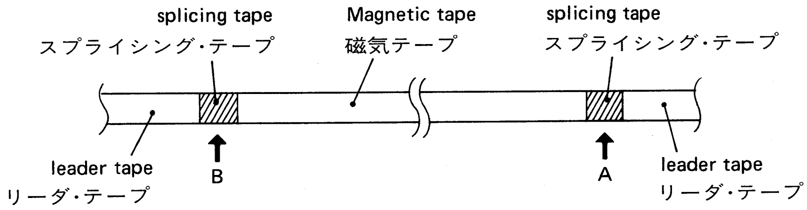

splicing tape
スプライシング・テープ
Magnetic tape
磁気テープ
splicing tape
スプライシング・テープ
leader tape
リーダ・テープ
B
A
leader tape
リーダ・テープ

Fig. 4-10 Photo sensor adjustment (2) フォト・センサ調整(2)

4-4 REEL TORQUE CHECKS AND ADJUSTMENTS

1. Using a cassette torque meter, check that reel torque at each tape transport operation is within the following specified range.

	R-888X	V-850X/V-750
Take-up	30 ~ 55 g·cm (0.41 ~ 0.82 oz·inch) (FWD/REV)	30 ~ 55 g·cm (0.41 ~ 0.86 oz·inch)
Back Tension	*	2.5 ~ 6.0 g·cm (0.035 ~ 0.083 oz·inch)
Fast Forward/ Rewind	More than 90 ~ 160 g·cm (1.2 ~ 2.2 oz·inch)	More than 100 ~ 160 g·cm (1.4 ~ 2.2 oz·inch)

*R-888X Back Tension:

1. Connect the DC voltmeter between emitter of the Q12 and GND lead of the C12 on the control PCB (B).
2. Play (FWD & REV) the middle of the MTT-5511 test tape and adjust the R42 on the control PCB (B) until the DC voltmeter indicates a reading of 0.46V ± 0.06V (See Fig. 4-9 on page 11).

4-5 TAPE SPEED ADJUSTMENT

1. Connect a frequency counter to the deck as shown in Fig. 4-11.
2. Playing the mid portion of an MTT-111 test tape in FWD and REV directions, adjust the semi-fixed resistor on capstan motor so that tape speed becomes 3,000 Hz ±5 Hz. An insulated and non-metallic flat-head screwdriver should be used for this adjustment.
3. In both FWD and REV play modes, check that the following values are obtained at the beginning and at the end of the tape.
   Deviation: 3,000 Hz ±45 Hz
   Width of deviation: Within 30 Hz

4-6 WOW AND FLUTTER CHECKS

Note: In both FWD and REV play modes, these measurements should be made at the beginning, middle and the end of the tape.

4-6-1 PLAYBACK METHOD

1. Connect a wow and flutter meter to the deck as shown in Fig. 4-11.
2. Load a TEAC MTT-111 test tape or equivalent and, in FWD and REV directions, play it to measure the wow and flutter value.
3. Specifications are shown below.
   0.055% WRMS (R-888X)
   0.05% WRMS (V-850X/V-750)

4-4 リール・トルク確認及び調整

1. カセット型トルク・メータによる測定値が下表の範囲内であることを確認する。

	R-888X	V-850X/V-750
テイクアップ・トルク	30～55g·cm (FWD,REV共)	30～55g·cm
バックテンション・トルク	*	2.5～6g·cm
早送りトルク (F.F.,REW共)	90～160g·cm 以上	100～160g·cm 以上

* R-888Xバック・テンション

1. DC電圧計をコントロールPCB(B)のQ12のエミッタとC12のGND側に接続する。
2. テスト・テープMTT-5511の中央付近をPLAY(FWD & REV)し，電圧計の指示が0.46V±0.06Vになるようコントロール PCB(B)のR42を調整する(11頁Fig-4-9参照)。

4-5 テープ速度調整

1. Fig.4-11のように周波数カウンタをデッキに接続する。
2. MTT-111テスト・テープの中間部をFWD,REVそれぞれで再生して,テープ速度が3,000Hz ±5Hzになるように キャプスタン・モータの半固定抵抗を調整する。調整には絶縁された非金属製マイナス・ドライバを使用すること。
3. FWD,REVそれぞれに於て，テープの巻始めと巻終りにて下記の値が得られることを確認する。
   偏差： 3,000Hz ±45Hz
   変動巾： 30Hz 以内

4-6 ワウ・フラッタ確認

注意： FWD,REV共，テープの巻始め，中間，巻終りでそれぞれ測定する。

4-6-1 再生法

1. Fig.4-11のようにワウ·フラッタ・メータをデッキに接続する。
2. TEAC MTT-111テスト・テープ又は相当品を装てん後，FWD及びREVの両方向で再生しワウ・フラッタ値を測定する。
3. 規格 0.055％ WRMS（聴感補正）………R-888X
   0.05％ WRMS（聴感補正）………V-850X/V-750

5 ELECTRICAL CHECKS AND ADJUSTMENTS

アンプ部の確認と調整

5-1 PRECAUTIONS

1. Since this deck has an automatic tape selector, be sure to use test tapes that have tape position detecting holes.
2. Before performing adjustments and checks, clean and demagnetize the entire tape path, then check tape motion condition.
3. Make sure the deck is properly set for the voltage in your locality.
4. In general, adjustments and checks are made in the order of L-ch then R-ch.
   Double REF. Nos. such as R12/R22 indicate L-ch/R-ch.
5. The AC voltmeter used in the procedures must have an input impedance of 1 MΩ or more.
6. 0 dB is referenced to 0.775 V.
7. Unless specified otherwise, adjustments and checks are made in FWD direction.

5-1 準備

1. 本機はテープ・セレクタ自動検出機構になっていますので，テスト・テープは必ずテープ・ポジション検出孔のあるものを使用してください。
2. アンプ部の調整のまえに，消去ヘッド，録・再ヘッド，テープ走行部分それぞれを充分消磁し，クリーナ液で清掃してテープ走行状態を確認する。
3. 特に指定の無い限り，調整及びチェックはL-ch，R-chの順序で行って下さい。
   尚R12／R22のように記されている回路番号はL-ch／R-chを示します。
4. レベル計は入力インピダンス1MΩ以上のものを使用して下さい。
5. 0dB＝0.775V
6. 特に指示のない場合，調整及びチェックはFWD方向で行なって下さい。

5-2 TEAC TEST TAPES

MTT-150:	For Dolby level calibration
MTT-356:	For playback frequency response check for CrO_2, METAL
MTT-256:	For playback frequency response check for NORMAL
MTT-5571:	For METAL record test
MTT-5561:	For CrO_2 record test
MTT-5511:	For NORMAL record test

5-2 TEACテスト・テープ

MTT-150：	ドルビー・レベル・セット用
MTT-356：	CrO_2,METALテープの再生周波数特性測定用
MTT-256：	NORMALテープの再生周波数特性測定用
MTT-5571:	METALテープの録音系テスト用
MTT-5561:	CrO_2テープの録音系テスト用
MTT-5551:	NORMALテープの録音系テスト用

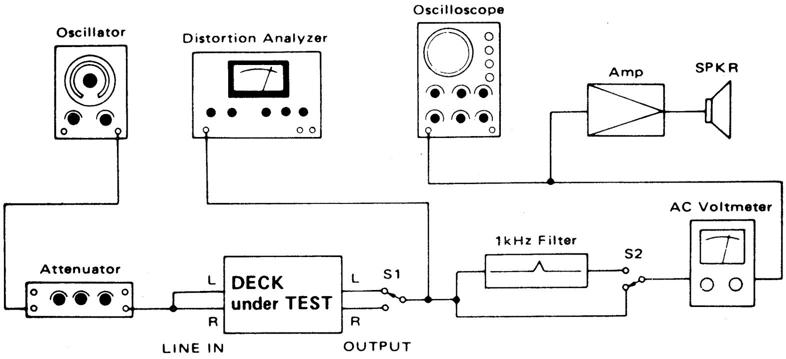

Oscillator
Distortion Analyzer
Oscilloscope
Amp
SPKR
AC Voltmeter
1kHz Filter
S2
Attenuator
DECK under TEST
L
R
L
S1
R
LINE IN
OUTPUT

Fig. 5-1 Basic test setup 基本測定接続図

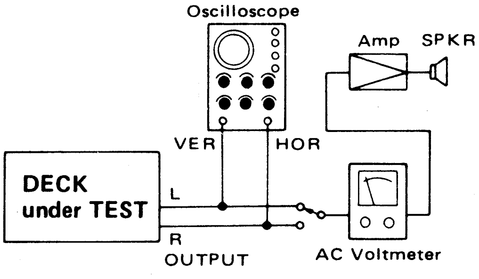

Oscilloscope
Amp
SPKR
VER
HOR
DECK under TEST
L
R
OUTPUT
AC Voltmeter

Fig. 5-2 Test setup for azimuth check
位相測定接続図

4-6-2 RECORD/PLAYBACK METHOD

Note: When measuring with this method, the recorded section should be played back repeatedly to obtain an average value. Be careful not to read the meter for those parts of the tape in which wow and flutter components in recording and playback cancel each other.

4. Load a blank TEAC MTT-5521 test tape or equivalent and record a 3,000 Hz signal in FWD (REV) direction.
5. Rewind (fast forward) the tape to the beginning of the recorded section, and play it in the FWD (REV) direction.
6. The wow and flutter should not be more than specified.
   Specification: 0.25% RMS (R-888X)
   0.2% RMS (V-850X/V-750)

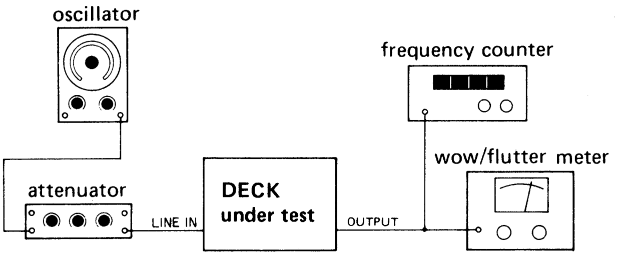


Fig. 4-11 Connection for tape speed, wow and flutter
テープ速度，ワウ・フラッタ測定接続図

4-7 LUBRICATION

Lubrication is only required when parts are replaced. For this purpose, use the oil and grease specified below.

Oil: TEAC TZ-255A motor oil (from TEAC TZ-255 oil kit), Mobil D.T.E. Oil Light, or equivalent
Grease: ORE-LUBE G1/3 or equivalent

1. Apply a drop of oil with an oil applicator to a point about 1/3 the way down the shaft (from the free end) of the flywheel, then insert the shaft into the capstan housing.
2. Apply a suitable amount of light grease to the well of the flywheel bearing.

4-8 VOLTAGE CONVERSION
(FOR GENERAL EXPORT MODELS)

ALWAYS DISCONNECT THE POWER LINE CORD BEFORE MAKING THESE CHANGES.

1. Locate the voltage selector on the rear panel of the deck as shown in the illustration.
2. Using a regular screwdriver, turn the selector until the numerals corresponding to the voltage requirements of your area appear.

4-6-2 録再法

注意： 本測定法の場合，録音した部分を幾度かストップ，再生を繰返し，大きく振れる平均的な値を読む。録音した時と再生した時のワウ・フラッタ成分の位相がキャンセルしたところを読まないようにする。

4. ブランク・テスト・テープTEAC MTT-5521又は相当品を装てんし，3,000Hz信号をFWD(REV)方向で録音する。
5. テープの録音した部分を巻戻してFWD(REV)方向で再生する。
6. ワウ・フラッタ値は下記の値から外れないこと。
   規格： 0.25％RMS(非聴感補正)(R-888X)
   0.2％RMS(非聴感補正)(V-850X/V-750)

4-7 注油

注油は部品が交換される時のみ必要です．注油には下記に明示するオイルとグリースを使用します．

オイル： TEAC TZ-255Aモータ・オイル(TEAC TZ-255オイル・キットから)
モービルD・T・Eオイル・ライト，または相当品
グリース：オア・ルーブG1/3，または相当品

1．フライホイル軸の先端から約1/3下った軸面へ，注油器にてオイル１滴を注油後，フライホイル軸をキャプスタン・ハウジングへそう入する．
2．適量のグリースをフライホイル・ベアリング受けへつける．

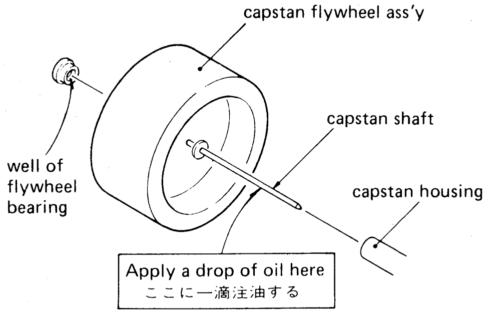


Fig. 4-12

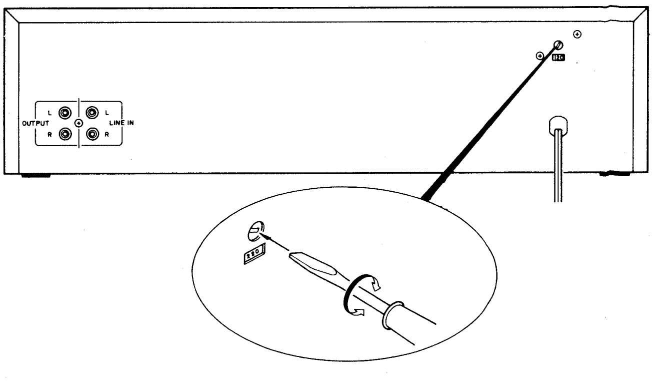
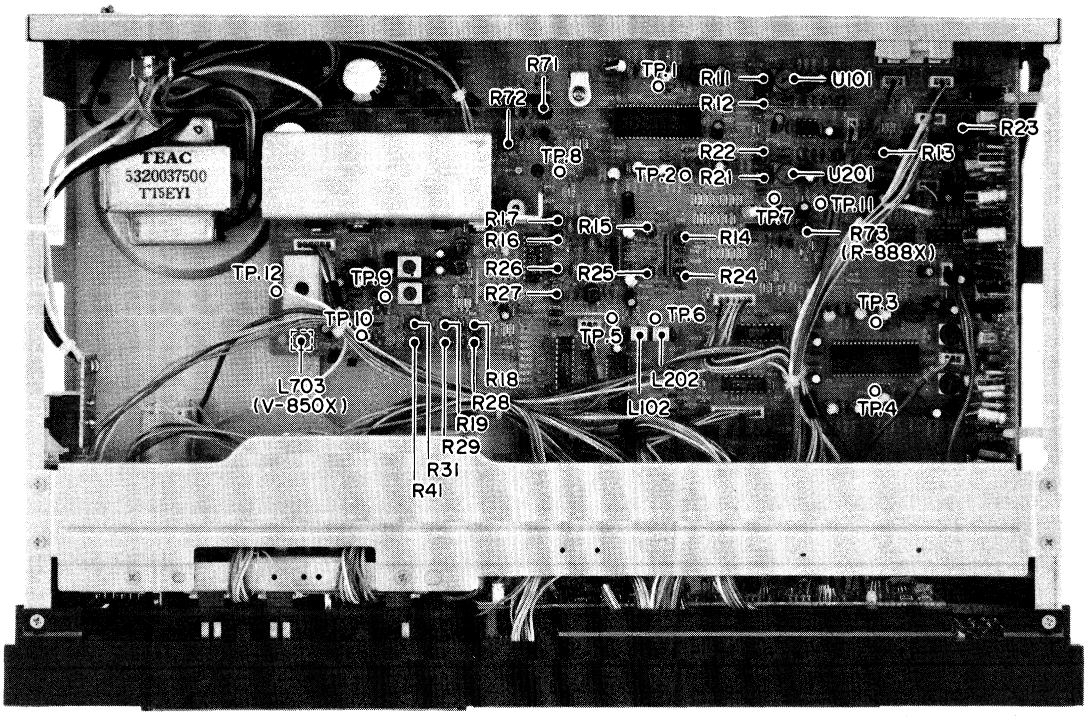


Fig. 4-13 Voltage conversion


TEAC
5320037500
T15EY1
R71
TP.1
R11
U101
R72
R12
R23
TP.8
R22
R13
TP.2
R21
U201
TP.7
TP.11
R17
R16
R15
R14
R73
(R-888X)
R26
R25
R24
R27
TP.12
TP.9
TP.10
TP.3
TP.5
TP.6
L703
(V-850X)
R18
R28
L202
L102
R19
TP.4
R29
R31
R41

U101/U201	Bias trap (Playback)
L102/L202	Bias trap (Record)
R11/R21	Playback equalization
R12/R22	Playback output level
R13/R23	Meter level
R14/R24	Record equalization
R15/R25	Record level (NORMAL)
R16/R26	Record level (CrO$_2$)

R17/R27	Record level (METAL)
R18/R28	Record bias (NORMAL)
R19/R29	Record bias (CrO$_2$)
R31/R41	Record bias (METAL)
R71	Built-in oscillater adj. (1)
R72	Built-in oscillator adj. (2)
R73	CPS level
L703	Dummy coil (V-850X)

Fig. 5-11 MAIN PCB (R-888X/V-850X)

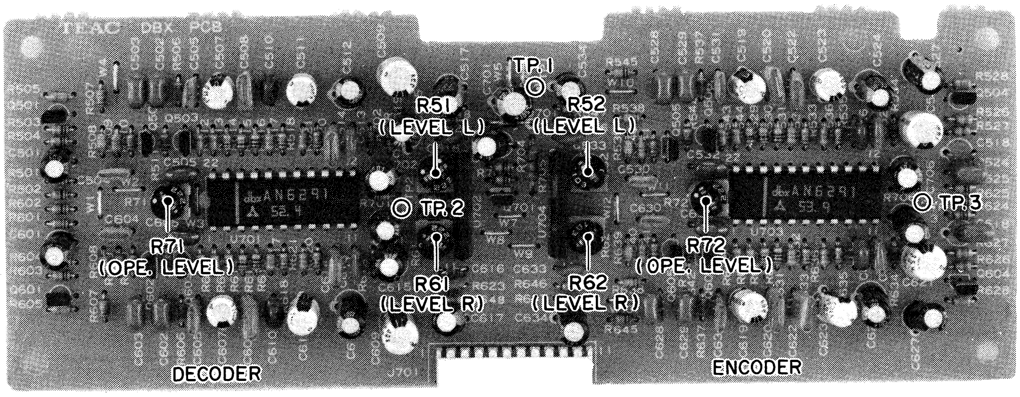

TEAC DBX PCB
TP.1
R51
(LEVEL L)
R52
(LEVEL L)
TP.2
TP.3
R71
(OPE. LEVEL)
R72
(OPE. LEVEL)
R61
(LEVEL R)
R62
(LEVEL R)
DECODER
J701
ENCODER

Fig. 5-12 DBX PCB (R-888X/V-850X)

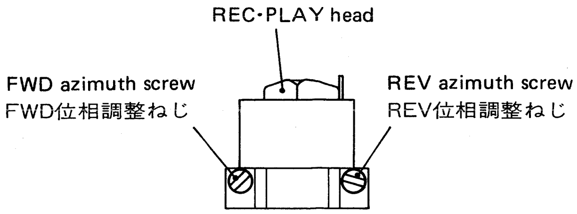

REC·PLAY head
FWD azimuth screw
FWD位相調整ねじ
REV azimuth screw
REV位相調整ねじ

Fig. 5-3 Azimuth screw location (R-888X)
位相調整ネジ

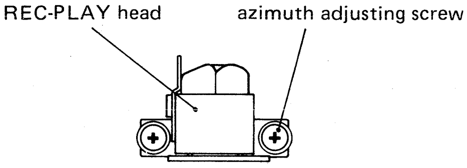

REC-PLAY head
azimuth adjusting screw

Fig. 5-4 Azimuth screw location (V-850X/V-750)
位相調整ネジ

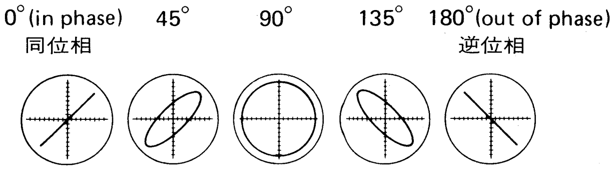

0° (in phase)
同位相
45°
90°
135°
180°(out of phase)
逆位相

Fig. 5-5 Confirming phase relationship
位相

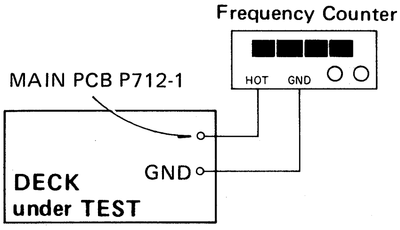

Frequency Counter
HOT
GND
MAIN PCB P712-1
GND
DECK
under TEST

Fig. 5-8 Test setup for bias osc. frequency adjustment
バイアス発振周波数調整用接続図

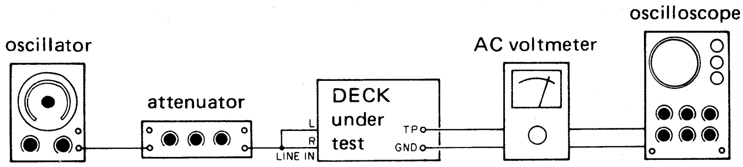

oscillator
attenuator
DECK
under
test
L
R
LINE IN
TP
GND
AC voltmeter
oscilloscope

Fig. 5-6 Test setup for test point check テスト・ポイント・チェック時の接続図

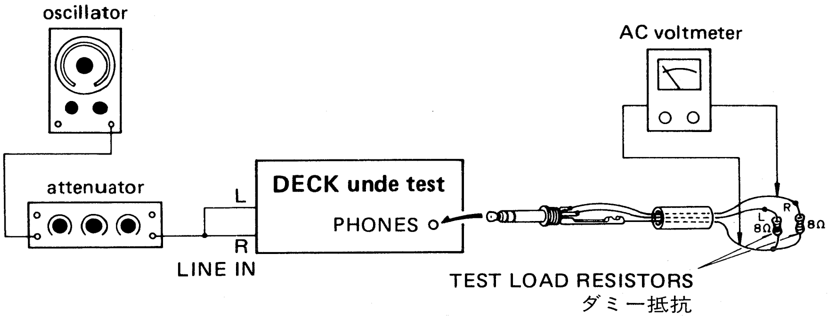

oscillator
attenuator
L
R
LINE IN
DECK unde test
PHONES
AC voltmeter
L
R
8Ω
8Ω
TEST LOAD RESISTORS
ダミー抵抗

Fig. 5-7 Test setup for PHONES check ホーン出力測定接続図

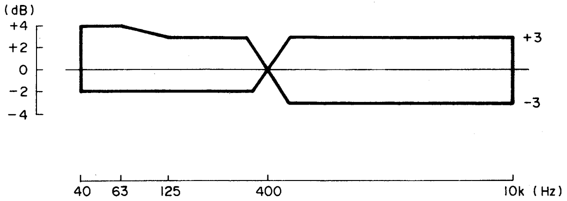


Fig. 5-9 Playback frequency response
再生周波数特性

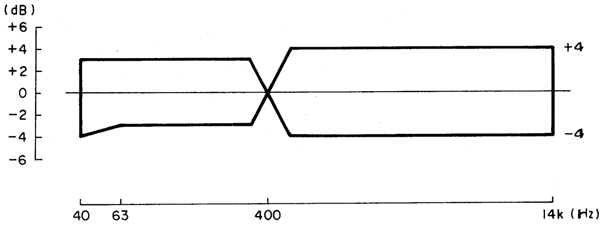


Fig. 5-10 Overall frequency response (NR OUT)
録再周波数特性

5-3 PLAYBACK PERFORMANCE 再生系

AUTO MONITOR switch	TAPE
NR SYSTEM switch	OUT
OUTPUT control	MAX
AUTO REVERSE switch (R-888X)	⊂⊃

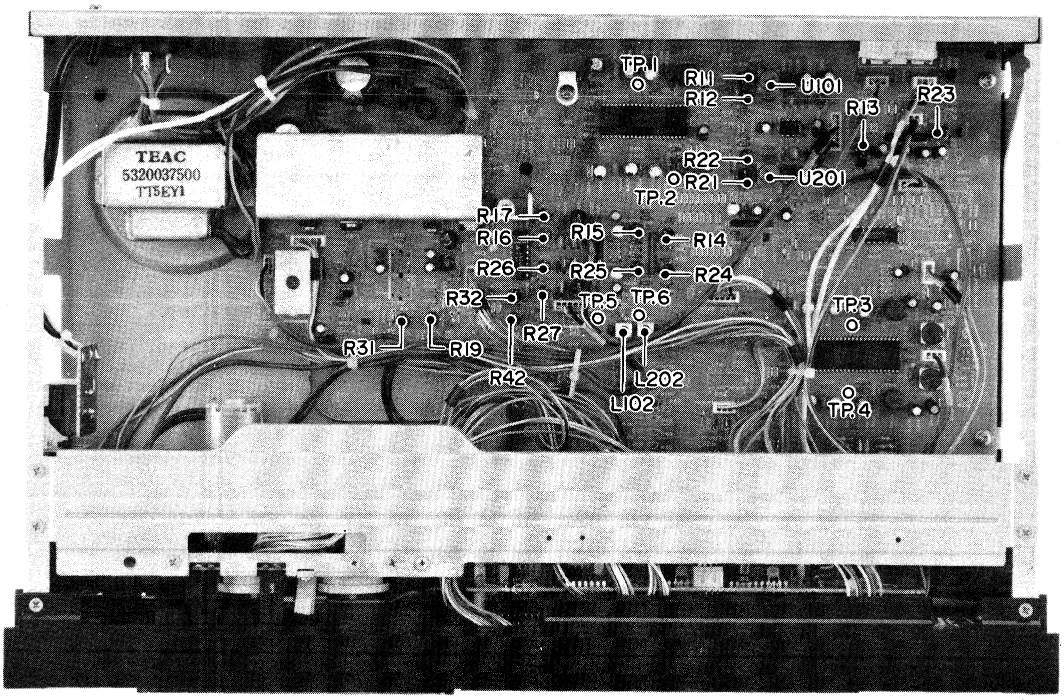
Table 1. Initial settings of playback performance
再生系予備設定

Note: Switches/controls not indicated in this table have not effect on these adjustments/checks.

注意：表中に示されていないスイッチ／つまみは本調整／チェックには関係ありません。

Mode: PLAY (unless otherwise specified 特に指定してある場合を除く)

ITEM 調整項目	SETTING 設定	INPUT SIGNAL 入力信号	ADJUST: 調整個所	MEASURING POINT, RESULT 測定個所・調整値	REMARKS 備考
1. **REC·PLAY head azimuth** **録・再ヘッド アジマス**	Connection: Fig. 5-2 Settings: Table 1 Check/adjust in FWD, REV respectively FWD,REVそれぞれチェック/調整	MTT-150	Check	OUTPUT (L/R): Phase: within 45° 位相：45°以内	Refer to Fig. 5-5
		MTT-256 (MTT-356) (10 kHz)	Azimuth screws of R·P head (Fig. 5-3, 5-4) 録・再ヘッドのアジマス調整ネジ	OUTPUT (L/R): Phase between L-ch /R-ch: 0° Max. output at L- & R-ch's. L-R間の位相差が0°で且つ各ch共最大出力	
2. **Playback output level** **再生出力レベル**	Same as above 同上 Connection: Fig. 5-6, but do not connect LINE IN (L/R). FWD direction. FWD方向	MTT-150	R12/R22	TP1/TP2: −10 dB (245 mV)	
	" REV direction. REV方向	"	Check	TP1/TP2: −10 dB ± 0.5 dB	
	Connection: Fig. 5-1, but do not connect LINE IN (L/R). FWD direction. FWD方向	"	OUTPUT cont*	OUTPUT (L): −5 dB (436 mV)	
			* After adjusting, do not move (Specific position) 調整後は動かさないこと（規定位置）		
	OUTPUT cont.: Specific position 規定位置	"	Check	OUTPUT (R): −5 dB ± 1.5 dB (367 mV ~ 518 mV)	
3. **Meter level setting** **メータ・レベル・セット**	Same as above 同上	"	R13/R23	PEAK LEVEL meter (L/R): 0 dB lit 点灯	
4. **Playback frequency response** **再生周波数特性**	Same as above 同上	MTT-256 (MTT-356)	R11/R21	OUTPUT (L/R): Nearly equal output level at 315 Hz & 10 kHz 315Hzと10kHzの出力がほぼ等しくなるよう調整 · Standard 規格：Fig. 5-9	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TP.1
R11
R12
U101
R13
R23
R22
R21
U201
TP.2
R17
R16
R15
R14
R26
R25
R24
R32
TP.5
TP.6
TP.3
R27
R31
R19
R42
L202
L102
TP.4

U101/U201	Bias trap (Playback)
L102/L202	Bias trap (Record)
R11/R21	Playback equalization
R12/R22	Playback output level
R13/R23	Meter level
R14/R24	Record equalization

R15/R25	Record level (NORMAL)
R16/R26	Record level (CrO_2)
R17/R27	Record level (METAL)
R19/R29	Record bias (CrO_2)
R31/R41	Record bias (NORMAL)
R32/R42	Record bias (METAL)

Fig. 5-13 MAIN PCB (V-750)

5-4 MONITOR PERFORMANCE モニタ系

AUTO MONITOR switch	SOURCE
NR SYSTEM switch	OUT
RECORD controls (L/R)	Maximum
OUTPUT control	Specific position (set at item 2) 規定位置（２項で調整された位置）
AUTO REVERSE switch	⊂⊃

Table 2. Initial settings of monitor performance
モニタ系予備設定

Note: Switches/controls not indicated in this table have no effect on these adjustments/checks.

注意：表中に示されていないスイッチ／つまみは本調整／チェックには関係ありません。

Mode: STOP (R-888X) or RECORD/PAUSE

ITEM 調整項目	SETTING 設定	INPUT SIGNAL 入力信号	ADJUST: 調整個所	MEASURING POINT, RESULT 測定個所・調整値	REMARKS 備考
7. **Min. LINE input level** **ライン最小入力レベル**	Connection: Fig. 5-1 Settings: Table 2 Tape: Any recordable tape 録音可能なテープ	LINE IN (L/R): 400 Hz/–19 dB (86.9 mV)	Check	OUTPUT (L/R): –5 dB ± 3 dB (308 mV ~ 615 mV)	
8. **Specified LINE input level** **LINE規定入力レベル**	Same as above 同上 Connection: Fig. 5-6	LINE IN (L/R): 400 Hz/–9 dB (275 mV)	RECORD cont. (L/R)*	TP3/TP4: –10 dB (245 mV)	
		* After adjusting, do not move (Specific position) ＊調整後は動かさないこと（規定位置）			
9. **Meter level** **メータ・レベル**	Same as above 同上 Connection: Fig. 5-1 RECORD cont.: Specific position 規定位置	LINE IN (L/R): 400 Hz/–9 dB (275 mV)	Check	PEAK LEVEL meter (L/R): 0 dB ± 1 dB	
10. **PHONES output level** **PHONES出力レベル**	Same as above 同上 Connection: Fig. 5-7	〃	Check	PHONES: At each channel 各チャンネルで –15.7 dB ± 2 dB (101 mV ~ 160 mV)	8 Ω load

5-5 RECORDING PERFORMANCE 録音系

AUTO MONITOR switch	SOURCE
NR SYSTEM switch	OUT
RECORD controls (L/R)	Specific position (Set at item 8) 規定位置 （８項で調整された位置）
OUTPUT control	Specific position (Set at item 2) 規定位置 （２項で調整された位置）
AUTO REVERSE switch	⊂⊃

Table 3. Initial settings of recording performance
録音系予備設定

ITEM 調整項目	SETTING 設定	INPUT SIGNAL 入力信号	ADJUST: 調整個所	MEASURING POINT, RESULT 測定個所・調整値	REMARKS 備考
5. Playback S/N ratio **再生S/N比**	Same as above 同上	MTT-5561 (fully demagnetized) using bulk tape eraser) (バルク・イレーサで充分消磁されたもの)	Check	OUTPUT (L/R): S/N: 46 dB min.	
				−5 dB (436 mV) is the reference level 基準レベルは−5dB (436mV)	
	〃	MTT-5511 (〃)	Check	OUTPUT (L/R): S/N: 44 dB min.	〃
6. CPS level **CPSレベル** **(R-888X)**	Setting: Same as above 同上 Connection: Fig. 5-6, but do not connect LINE IN (L/R) Tape: MTT-150 (Use mid portion) Measure in each condition specified below. 下記の各条件で測定する				
	STOP mode (►play indicator blinked) (► 再生インジケータ点滅) →	Press CPS button to get CPS display CPSボタンを押しCPS表示にする →	Press ►► button ►► ボタンを押す →	TP11: Measure level レベル測定	(Level 1) (レベル1)
	〃 →	〃 →	Press ◄◄ button ◄◄ ボタンを押す →	TP11: Measure level レベル測定	(Level 2) (レベル2)
	STOP mode (◄ play indicator blinked) (◄ 再生インジケータ点滅) →	〃 →	Press ►► button ►► ボタンを押す →	TP11: Measure level レベル測定	(Level 3) (レベル3)
	〃 →	〃 →	Press ◄◄ button ◄◄ ボタンを押す →	TP11: Measure level レベル測定	(Level 4) (レベル4)
	Adjust so that level becomes −20 dB using either of 2 conditions except 2 conditions witch indicate max. and min. levels, among (Level 1) ~ (Level 4). (レベル1)~(レベル4)の内で最大及び最小レベルを示した2条件を除く残り2条件のどちらかでレベルが-20dBになるように調整する.		R73	TP11: −20 dB (77.5 mV)	

ITEM 調整項目	SETTING 設定	INPUT SIGNAL 入力信号	ADJUST: 調整個所	MEASURING POINT, RESULT 測定個所・調整値	REMARKS 備考
16. Total harmonic distortion 総合歪率	Same as above 同上 Tapes: MTT-5571 MTT-5561 MTT-5511	LINE IN (L/R): 400 Hz/-12 dB (195 mV)	Check	OUTPUT (L/R): 2.0 % or less for all tapes. 各テープで2.0%以下	
17. Overall frequency response 録再周波数特性	Same as above 同上	LINE (L/R): 40 Hz ~ 14 kHz/ -39 dB (8.69 mV)	Check	OUTPUT (L/R): standard: Fig. 5-10	
18. Overall S/N ratio 総合S/N比	Same as above 同上	——	Check	OUTPUT (L/R): METAL : 46 dB min. CrO_2 : 46 dB min. NORMAL: 44 dB min.	
				400 Hz/-9 dB (275 mV) is the reference level 基準レベルは400Hz/−9dB(275mV)	
19. Erase efficiency 消去効果	Same as above 同上 Connection: Fig. 5-1 but engage 1-kHz Filter 1-kHzフィルター使用 Tape: MTT-5571	LINE IN(L/R): 1 kHz/+1 dB (0.869 V)	Check	OUTPUT (L/R): 65 dB min. ratio	
	● Record a 1-kHz signal. Erase the latter half of the recording. Rewind and play to find the difference between the 1-kHz portion and the erased portion. ● 録音部分を再生した時のレベルを基準レベルとし，録音部分を消去した時の出力レベルとの差を測定				
20. REC MUTE function REC MUTE効果	Same as above 同上	Same as above 同上	Check	OUTPUT (L/R): 65 dB min. ratio	
	● Record a 1-kHz signal. Push REC MUTE button midway. Rewind and play to find the difference between the 1-kHz portion and the "rec-mute" portion. ● 1-kHz信号を録音し，途中でREC MUTE釦を押して無信号録音部分を作る．このテープを再生し，1-kHz部分と無信号部分との出力レベル差を測定．				
21. Channel separation チャネル・セパレーション	Same as above 同上	LINE IN: L-ch: 1 kHz/ -9 dB (275 mV) R-ch: No signal	Check	OUTPUT (R): 35 dB min. ratio	
	● Connection: Fig. 5-1, but do not connect LINE IN (R), and engage 1-kHz filter. ● 接続：Fig.5-1,但しLINE IN(R)へは接続不要，1-kHzフィルター使用．				
	● Set the deck to record mode. Rewind and play to find the difference between the 1-kHz recorded portion (L-ch) and "no signal" portion (R-ch). ● 録音後，再生して1-kHz録音部分(L-ch)と無信号録音部分(R-ch)との出力レベル差を測定．				
	● Change the above connection and check reverse operation also. ● L-chとR-chを入れ替えた場合についてもチェックすること．				
22. Adjacent track crosstalk トラック間クロストーク	Same as above 同上	LINE IN: L-ch: No signal R-ch: 125 Hz/ -9 dB (275 mV)	Check	OUTPUT (R): 40 dB min. ratio	
	● Connection: Fig. 5-1, but do not connect LINE IN (L) and OUTPUT (L). ● 接続：Fig.5-1,但しLINE IN(L),OUTPUT(L)の接続を外す．				
	● Record a 125-Hz signal on R-ch track and note output level. Invert tape and play R-ch track. Check leakage level against the output reference of previously recorded portion. ● R-chトラックに125Hzを録音し，その再生出力を基準レベルとする．次にテープを反転し，再生した時のR-ch出力レベルと基準レベルとの差を測定．				

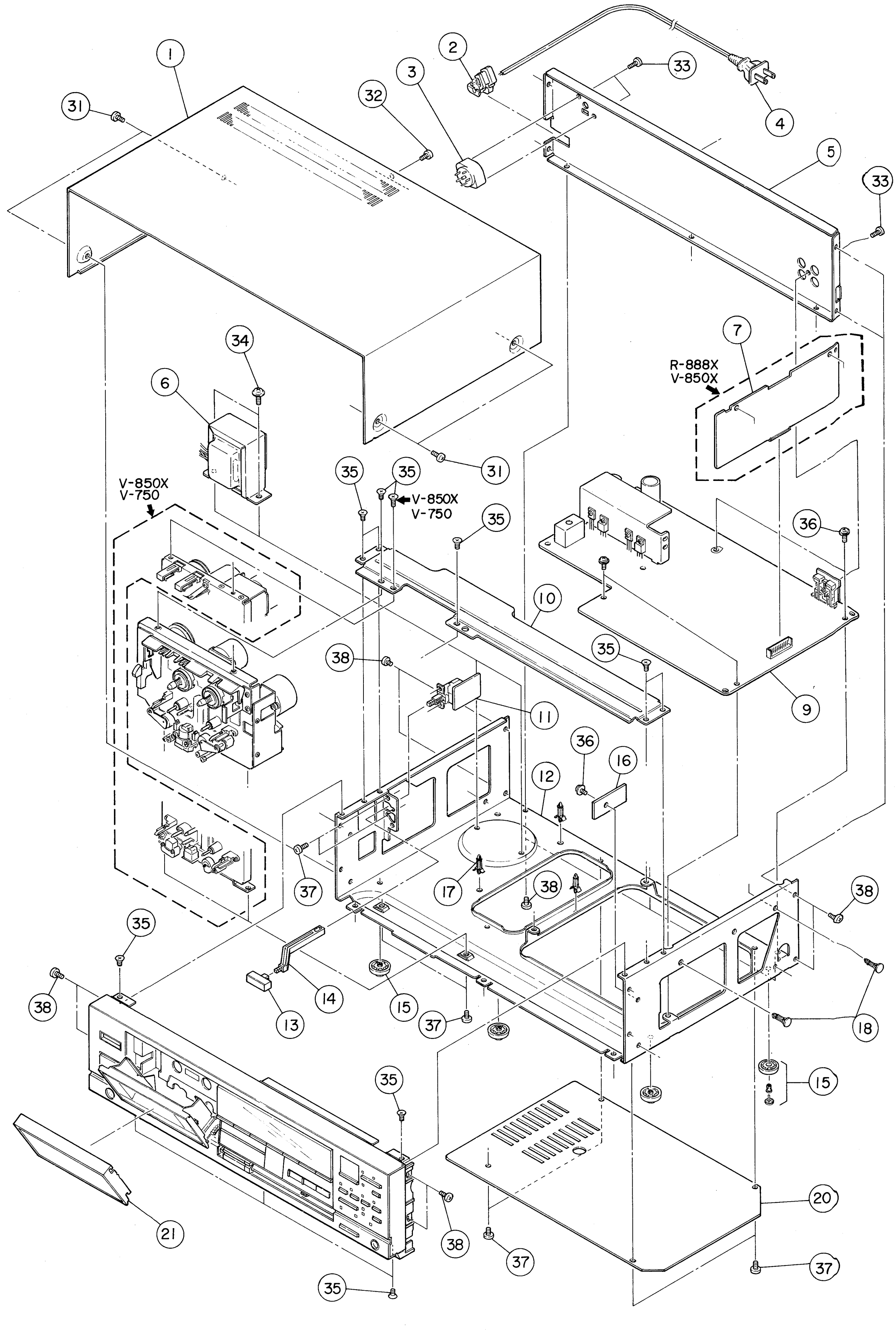
ITEM 調整項目	SETTING 設定	INPUT SIGNAL 入力信号	ADJUST: 調整個所	MEASURING POINT, RESULT 測定個所・調整値	REMARKS 備考
11. BIAS osc. frequency **バイアス発振周波数** **(R-888X)** **(V-850X)**	Connection: Fig. 5-8 Settings: Table 3 Tape: MTT-5571 Mode: FWD REC/PAUSE & REV REC/PAUSE	–	L1 (for FWD) L2 (for REV) R-888X (JOINT PCB) L703 V-850X (MAIN PCB) (Refer to Figs. 3-4 & 5-11. (Fig.3-4及び5-11参照) Do not disturb OSC's trimmer. OSCのトリマは動かさないこと。	BIAS OSC OUTPUT: Frequency: 95 kHz (R-888X) 100 kHz (V-850X)	
12. Bias trap **バイアス・トラップ**	Same as above 同上 Connection: Fig. 5-6	–	L102/L202	TP5/TP6: Min. bias leakage バイアス漏れ最小	
13. Bias trap **バイアス・トラップ**	Same as above	–	U101/U201	TP1/TP2: Min. bias leakage バイアス漏れ最小	
14. Record bias **録音バイアス**	Turn semi-fixed resistors slowly clockwise so that the output (record and playback) reaches a peak, then 1 dB beyond and below the peak (over-bias value). 半固定抵抗を徐々に右方向にまわし,録再出力が最大になる点からさらに1dB下がる点にセットする(オーバー・バイアス値)				
	Same as above 同上 Mode: REC/PLAY Tape: MTT-5571	LINE IN (L/R): 6.3 kHz/–39 dB (8.69 mV)	R18/R28 (R-888X, V-850X) R32/R42 (V-750)	OUTPUT (L/R): Over-bias value: オーバー・バイアス値 1 dB	
	" Tape: MTT-5571	LINE IN (L/R): 400 Hz & 10 kHz alternately/ 交互信号/ –39 dB (8.69 mV)	R14/R24	OUTPUT (L/R): Equal output level (record and playback) between 400 Hz and 10 kHz 400Hzと10kHzの録再出力が等しくなること	
	" Tape: MTT-5561	LINE IN (L/R): 400 Hz & 10 kHz alternately/ 交互信号/ –39 dB (8.69 mV)	R19/R29 (R-888X, V-850X) R19 (V-750)	OUTPUT (L/R): Equal output level (record and playback) between 400 Hz and 10 kHz 400Hzと10kHzの録再出力が等しくなること	
	" Tape: MTT-5511		R31/R41 (R-888X, V-850X) R31 (V-750)		
	" Tape: MTT-5571 (V-750)		R32/R42 (Fine-adj.) (微調する)		
15. Record level **録音レベル**	Same as above 同上 Tape: MTT-5511	LINE IN (L/R): 400 Hz/–12 dB (195 mV)	R15/R25	OUTPUT (L/R): Output level (record and playback) 録再出力: –8.0 dB (300 mV)	
	" Tape: MTT-5561		R16/R26		
	" Tape: MTT-5571		R17/R27		

ITEM 調整項目	SETTING 設定	INPUT SIGNAL 入力信号	ADJUST 調整個所	MEASURING POINT, RESULT 測定個所・調整値	REMARKS 備考
23. BIAS FINE control check **BIAS FINE つまみチェック** **(V-750)**	Same as above 同上 Connection: Fig. 5-1 Tape: MTT-5511 BIAS FINE cont: "REF" position "REF"位置	LINE IN (L/R): 10 kHz/–39 dB (8.69 mV)	Check	OUTPUT (L/R): Measure output level (record and play back). 録再出力を測定する.	
	Same as above BIAS FINE cont: Fully "–" position "−"方向一杯		Check	OUTPUT (L/R): Variation between "–" and "+" positions: "−"と"+"間のレベル変化: 2.5 dB or more.	
	Same as above BIAS FINE cont: Fully "+" position "+"方向一杯				
24. Built-in oscillator adjustment **内部発振器調整** **(R-888X)** **(V-850X)**	Same as avove 同上 Connection: Fig. 5-6, but do not connect LINE IN LINE INへは接続不要 In FWD/PAUSE mode, press MANUAL switch several times; the DECK will be set in LEVEL (315 Hz) or BIAS (8.5 kHz) Calibration mode repeatedly. FWD／PAUSEモードでMANUALスイッチを数回押す—LEVEL(315Hz)又はBIAS(8.5kHz)キャリブレーション状態を繰り返す		R71	TP8: 315 Hz: Reference 8.5 kHz: –0.5 dB against reference	Oscillating frequency: 発振周波数 315 Hz and 8.5 kHz
	Press MANUAL switch twice, LEVEL L LED will light. MANUALスイッチを2回押す－BIAS(L)つまみのLEDが点灯する		R72	TP8: -30.5 dB (23.1 mV)	Oscillating frequency: 発振周波数 315 Hz
25. MPX FILTER effect **MPX FILTER 効果**	Same as above 同上 Mode: REC/PAUSE MPX FILTER sw: ON	LINE IN (L/R): 19 kHz/–9 dB (275 mV)	Check	OUTPUT (L/R): The level difference between OFF and ON positions on MPX FILTER switch MPX FILTERスイッチがOFF時とON時の出力レベル差 30 dB min.	
26. dbx adj. **(R-888X)** **(V-850X)**	Same as above NR SYSTEM: dbx	LINE IN (L/R): 1 kHz/–9 dB (275 mV)	R71 (Decoder) R72 (Encoder)	Between TP2 & TP1 (Decoder) Between TP3 & TP1 (Encoder) 15 mV DC	
27. dbx Decoder Level	Mode: PLAY	MTT-150	R51/R61	OUTPUT (L/R): +0.5 dB ± 0.5 dB (775 mV ~ 869 mV)	
28. dbx Encoder Level	Mode: REC/PLAY	LINE IN (L/R): 1 kHz/–12 dB (19 mV)	R52/R62	OUTPUT (L/R): –8 dB ± 0.5 dB (291 mV ~ 327 mV)	

6 EXPLODED VIEWS AND PARTS LIST

分解図とパーツ・リスト

EXPLODED VIEW-1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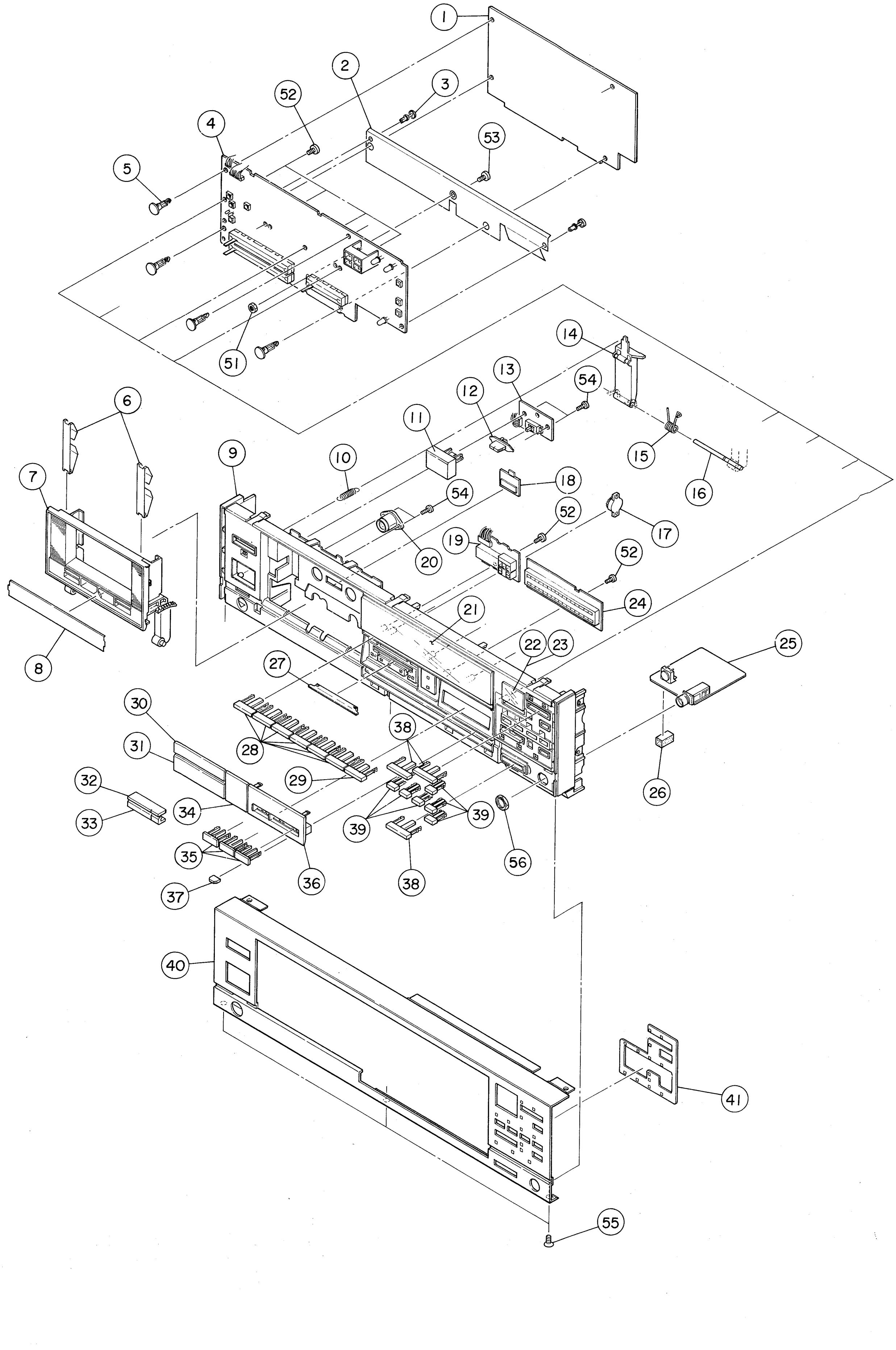
EXPLODED VIEW-2 (R-888X)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REF.NO.	PARTS NO.	DESCRIPTION	REMARKS
1- 1	*5800744400	COVER,TOP	
1- 2	⚠*5317003400	BUSHING 2271	
1- 3	⚠ 5302101700	SW.,VOLTAGE SELECT [GE]	
1- 4	⚠ 5128027000	CORD,AC [J]	
	⚠ 5350010800	CORD,AC UL SPT-1 [US,GE]	
	⚠ 5350010700	CORD,AC UL SPT-2 [C]	
	⚠ 5350008200	CORD,AC [E]	
	⚠ 5128047000	CORD,AC [UK]	
	⚠ 5350008300	CORD,AC [A]	
1- 5	*5800744000	PANEL,REAR	
1- 6	⚠ 5320037300	TRANSFORMER,POWER; [J]	
	⚠ 5320037400	TRANSFORMER,POWER; [US]	
	⚠ 5320037500	TRANSFORMER,POWER; [GE]	
	⚠ 5320037600	TRANSFORMER,POWER; [E,UK,A]	
	⚠ 5320037800	TRANSFORMER;POWER; [C]	
1- 7	*5200184001	DBX PCB ASSY [R-888X/V-850X]	Ref. Pages 53 & 70
1- 8	Vacant		
1- 9	*5200182700	MAIN PCB ASSY [R-888X] [J,US,GE,C]	Ref. Pages 41 & 54
	*5200182710	MAIN PCB ASSY [R-888X] [E,UK,A]	Ref. Pages 41 & 54
	*5200182720	MAIN PCB ASSY [V-850X] [J,US,GE,C]	Ref. Pages 43 & 57
	*5200182730	MAIN PCB ASSY [V-850X] [E,UK,A]	Ref. Pages 43 & 57
	*5200182740	MAIN PCB ASSY [V-750] [J,US,GE,C]	Ref. Pages 45 & 60
	*5200182750	MAIN PCB ASSY [V-750] [E,UK,A]	Ref. Pages 45 & 60
1-10	*5800744100	BRACKET,MECANISM;A	
1-11	*5200116240	POWER SW PCB ASSY [E,UK]	Ref. Page 71
	*5200116250	POWER SW PCB ASSY [A]	Ref. Page 71
	*5200186000	POWER SW PCB ASSY [J,US,C,GE]	Ref. Page 71
1-12	*5800743901	CHASSIS,MAIN	
1-13	5800757400	BUTTON,POWER;G	
1-14	*5800740500	ROD,POWER BUTTON	
1-15	5730003300	FOOT,FF-008(P4X6)	
1-16	*5800768101	STOPPER, PCB	
1-17	*5787036000	SUPPORT,PCB;PCB-10L	
1-18	*5787033400	SUPPORT,PCB;KGLS-14R	
1-19	Vacant		
1-20	*5800744300	COVER,BOTTOM	
1-21	5800739301	COVER,CASSETTE	
1-31	*5800612400	SCREW,M3X8 BLK	
1-32	*5783593006	SCREW,CTITE M3X6	
1-33	*5781113008	SCREW,BIND TAP (2);M3X8	
1-34	*5783074006	SCREW,PAN CUP S TITE;M4X6	
1-35	*5783043006	SCREW,FLAT S TITE;M3X6	
1-36	*5783073006	SCREW,PAN CUP S TITE;M3X6	
1-37	*5783003005	SCREW,PAN S TITE M3X5	
1-38	*5783033006	SCREW,BIND S TITE;M3X6	

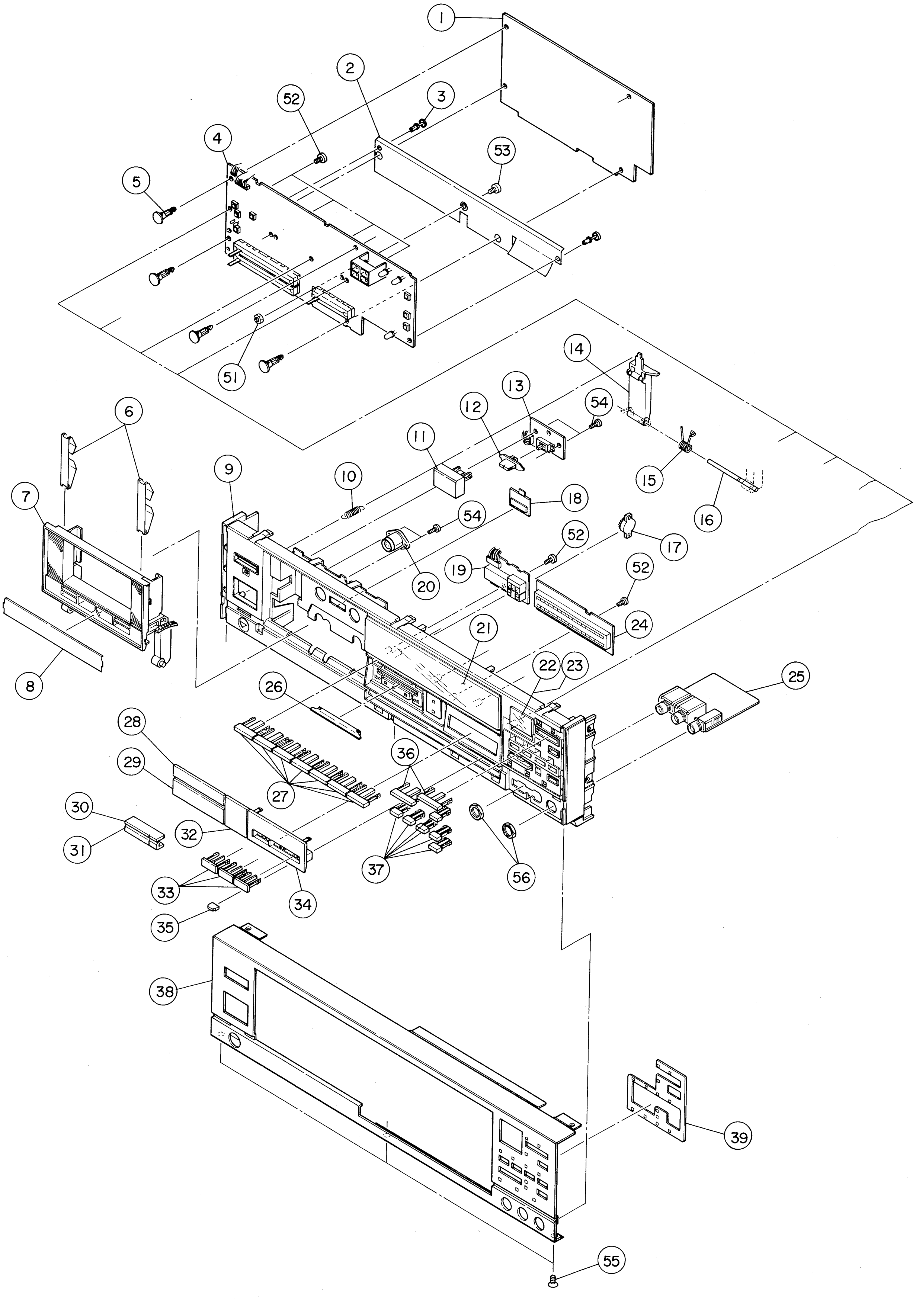
INCLUDED ACCESSORIES

REF.NO.	PARTS NO.	DESCRIPTION	REMARKS
	*5700073300	OWNER'S MANUAL [R-888X] [J]	
	*5700073400	OWNER'S MANUAL [R-888X] [EXCEPT J]	
	*5700073500	OWNER'S MANUAL [V-850X/V-750] [J]	
	*5700073600	OWNER'S MANUAL [V-850X/V-750] [EXCEPT J]	
	5350011600	CORD,IN-OUT 1.0M	
	*5744043100	REMOTE CONT.UNIT RC-205 [R-888X Limited Area only]	

Parts marked with *require longer delivery time.

[US]:U.S.A. [E]:EUROPE [UK]:U.K. [C]:CANADA
[A]:AUSTRALIA [GE]:GENERAL EXPORT [J]:JAPAN

EXPLODED VIEW-3 (V-850X)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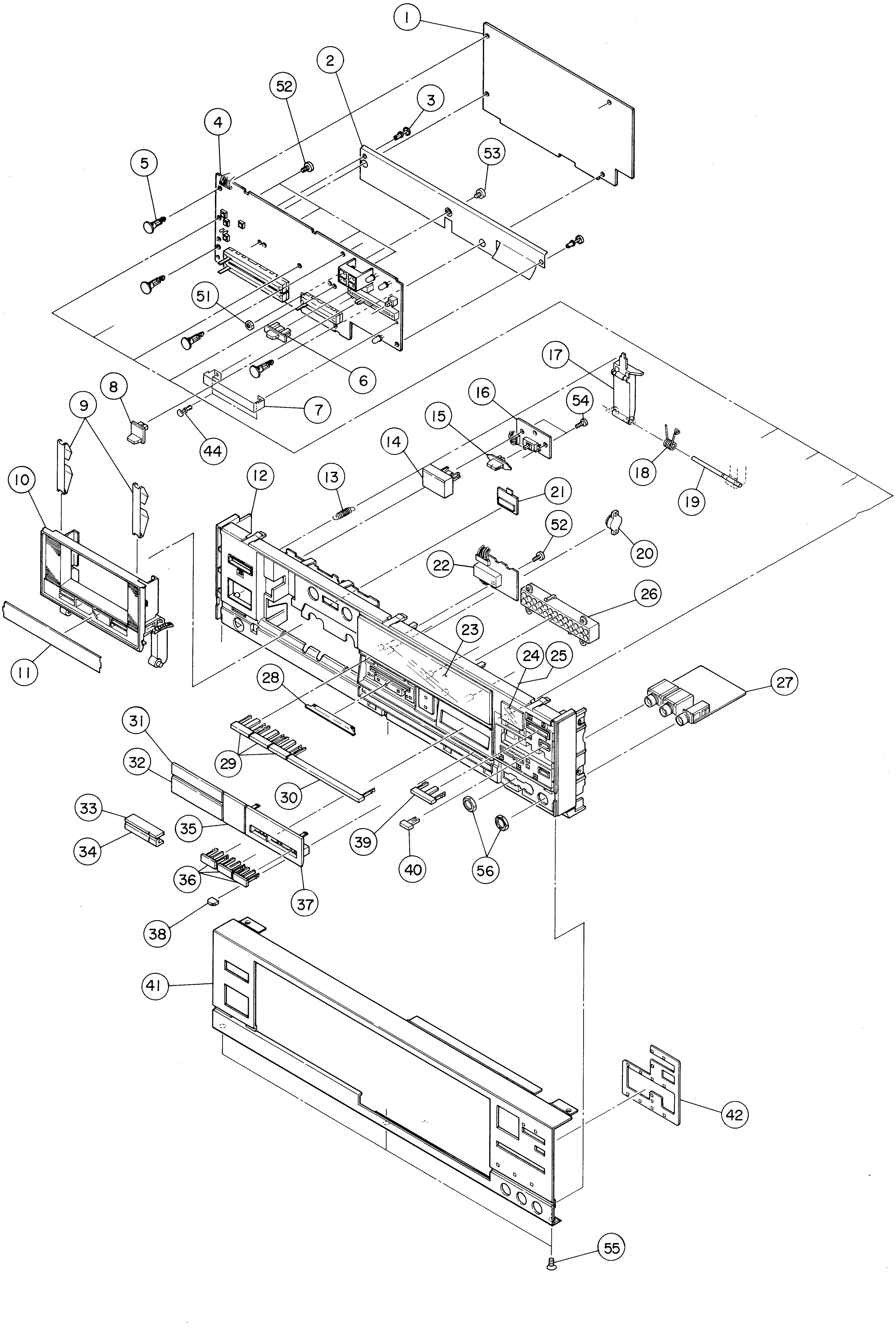
REF.NO.	PARTS NO.	DESCRIPTION	REMARKS
2- 1	*5200183600	CONTROL PCB ASSY(B)	Ref. Pages 47 & 62
2- 2	*5800744800	PAPER,SHIELD	
2- 3	*5786610100	RIVET,PUSH;RP-3035-NB	
2- 4	*5200183500	SW PCB ASSY(B)	Ref. Pages 47 & 64
2- 5	*5787033400	SUPPORT,PCB;KGLS-14R	
2- 6	5800603800	SPRING,CASS.PRESS.	
2- 7	5800739200	HOLDER,CASSETTE	
2- 8	*5800739400	PLATE,COVER	
2- 9	*5800745001	ESCTCHEON ASSY,G	
2-10	5791234130	SPRING, 2341-30	
2-11	5800740600	BUTTON,EJECT	
2-12	5800742100	KNOB,TIMER	
2-13	*5200183800	TIMER PCB ASSY(B)	Ref. Pages 52 & 70
2-14	*5800740701	ARM,EJECT	
2-15	5800744601	SPRING,HOLDER	
2-16	*5800744500	SHAFT,HOLDER	
2-17	5800620500	DAMPER ASSY	
2-18	5225015100	LED SLF301C YEL-GRN	
2-19	*5200183700	COUNTER PCB ASSY(B)	Ref. Pages 50 & 68
2-20	*5334027500	CONNECTOR SOCKET, 4P	
2-21	*5800742700	COVER,METER	
2-22	*5800743000	COVER,NR	
2-23	*5800743200	ADHESIVE TAPE,NR COVER	
2-24	*5200182100	LED MODULE PCB ASSY	Ref. Page 71
2-25	*5200182801	JACK PCB ASSY	Ref. Pages 48 & 65
2-26	*5800757800	CUSHION,G	
2-27	5800741201	LENS	
2-28	5800741300	BUTTON,A	
2-29	5800741400	BUTTON,B	
2-30	5800741000	BUTTON,FF-REW	
2-31	5800740800	BUTTON,PLAY	
2-32	5800742200	KNOB,REC VR;L	
2-33	5800742300	KNOB,REC VR;R	
2-34	5800741100	BUTTON,STOP	
2-35	5800741501	BUTTON,C	
2-36	*5800742000	ESCTCHEON,BUTTON C	
2-37	5800742400	KNOB,OUTPUT	
2-38	5800741600	BUTTON,D	
2-39	5800741701	BUTTON,E	
2-40	*5800739600	PANEL,FRONT	
2-41	*5800744700	LENS,RUBBER	
2-42	Vacant		
2-51	*5781813000	NUT,(1);M3	
2-52	*5781112608	SCREW,BIND TAPPING M2.6X8	
2-53	*5780133008	SCREW,PAN SEMS A;M3X8	
2-54	*5783602008	SCREW,BIND P TITE M2X8	
2-55	*5783663008	SCREW,FLAT BTITE M3X8 BLK	
2-56	*5317003300	NUT,1/4 PHONE	

Parts marked with *require longer delivery time.

REF.NO.	PARTS NO.	DESCRIPTION	REMARKS
3- 1	*5200183101	CONTROL PCB ASSY(A)	Ref. Pages 49 & 65
3- 2	*5800744800	PARER,SHIELD	
3- 3	*5786610100	RIVET,PUSH RP-3035-NB	
3- 4	*5200183510	SW PCB ASSY(B)	Ref. Pages 49 & 66
3- 5	*5787033400	SUPPORT,PCB;KGLS-14R	
3- 6	5800603800	SPRING,CASS.PRESS.	
3- 7	5800739200	HOLDER,CASSETTE	
3- 8	*5800739500	PLATE,NAME;COVER	
3- 9	*5800745102	ESCUTCHEON ASSY,D	
3-10	5791234130	SPRING 2341-30	
3-11	5800740600	BUTTON,EJECT	
3-12	5800742100	KNOB,TIMER	
3-13	*5200183300	TIMER PCB ASSY(A)	Ref. Pages 52 & 70
3-14	*5800740701	ARM.EJECT	
3-15	5800775200	SPRING,HOLDER;B	
3-16	*5800744500	SHAFT,HOLDER	
3-17	5800620500	DAMPER ASSY	
3-18	5225015100	LED SLF301C YEL-GRN	
3-19	*5200183200	COUNTER PCB ASSY(A)	Ref. Pages 50 & 68
3-20	*5334027500	CONNECTOR SOCKET,4P	
3-21	*5800742800	COVER,METER	
3-22	*5800743000	COVER,NR	
3-23	*5800743200	ADHESIVE TEPE,NR COVER	
3-24	*5200182100	LED MODULE PCB ASSY	Ref. Page 71
3-25	*5200182811	JACK PCB ASSY	Ref. Pages 50 & 67
3-26	5800741201	LENS	
3-27	5800741300	BUTTON,A	
3-28	5800741000	BUTTON,FF-REW	
3-29	5800740900	BUTTON,PLAY	
3-30	5800742200	KNOB,REC VR;L	
3-31	5800742300	KNOB,REC VR;R	
3-32	5800741100	BUTTON,STOP	
3-33	5800741501	BUTTON,C	
3-34	*5800742000	ESCTCHEON,BUTTON;C	
3-35	5800742400	KNOB,OUTPUT	
3-36	5800741600	BUTTON,D	
3-37	5800741701	BUTTON,E	
3-38	*5800739700	PANEL,FRONT	
3-39	*5800744700	LENS,RUBBER	
3-40	Vacant		
3-51	*5781813000	NUT,M3	
3-52	*5781112608	SCREW,BIND TAP(2) M2.6X8	
3-53	*5780133008	SCREW,PAN SEMS A M3X8	
3-54	*5783602008	SCREW,BIND P TITE M2X8	
3-55	*5783663008	SCREW,FLAT BTITE M3X8 BLK	
3-56	*5317003300	NUT,1/4 PHONE	

Parts marked with *require longer delivery time.

EXPLODED VIEW-4 (V-750)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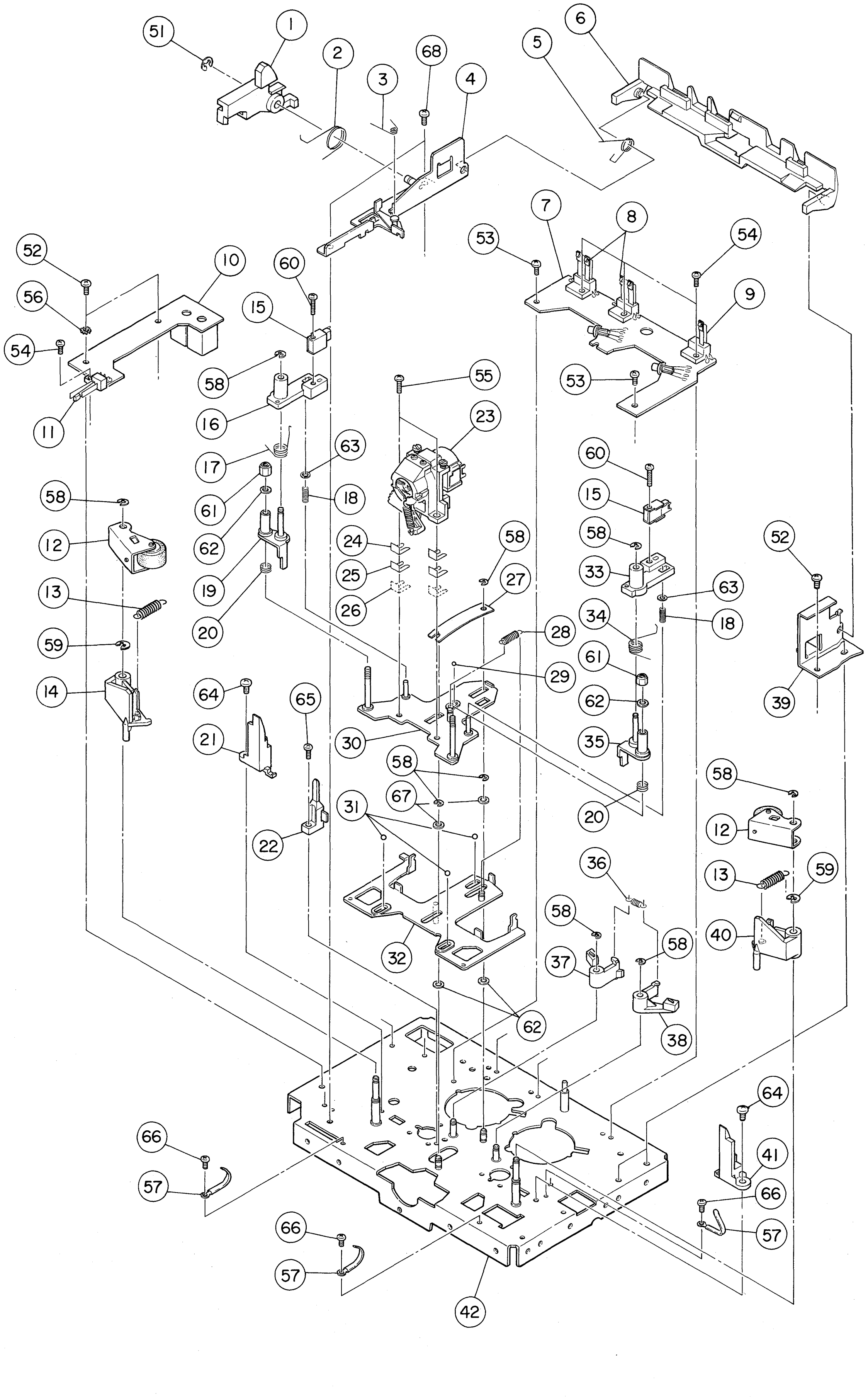
EXPLODED VIEW-5 (R-888X)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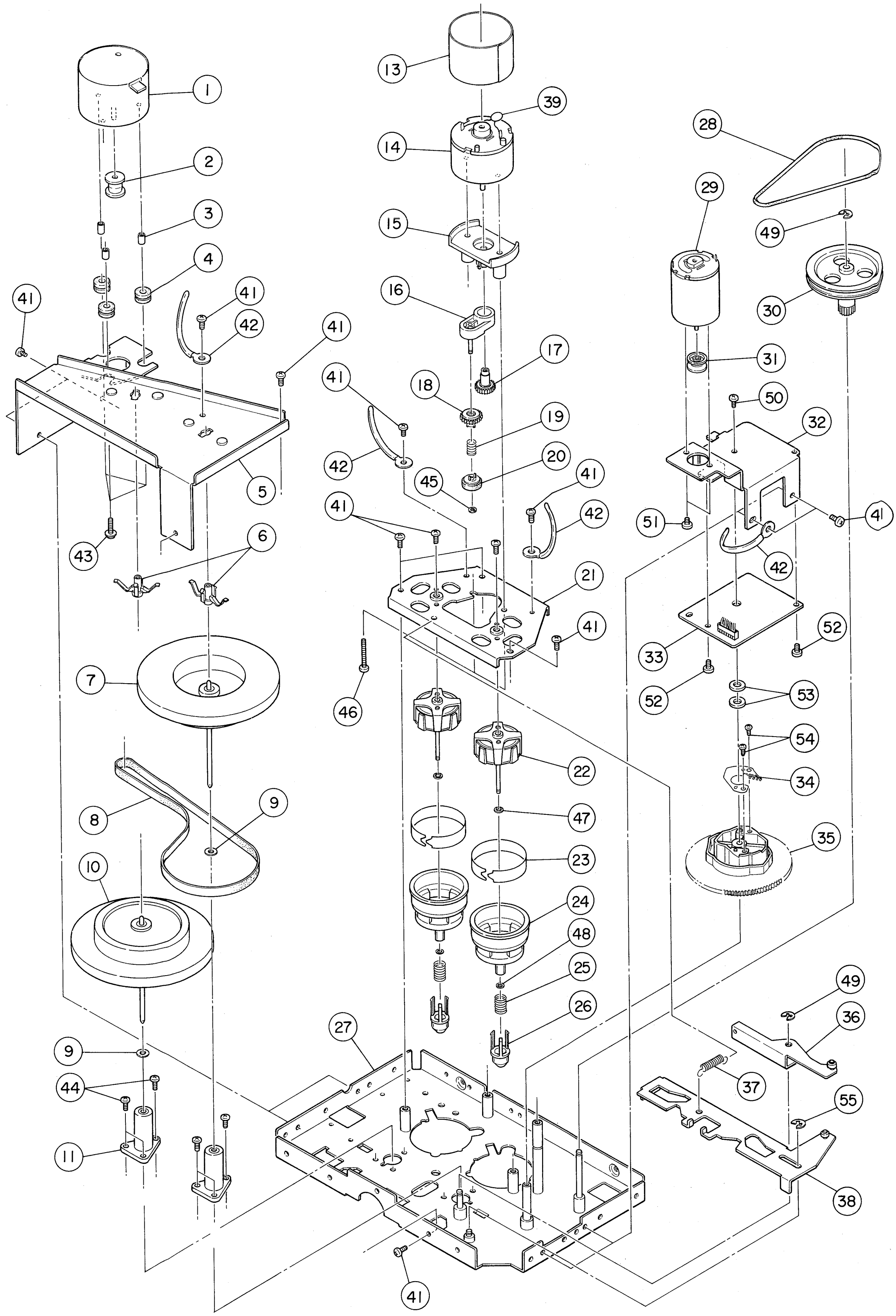
REF.NO.	PARTS NO.	DESCRIPTION	REMARKS
4- 1	*5200183111	CONTROL PCB ASSY(A)	Ref. Pages 51 & 68
4- 2	*5800744800	PAPER,SHIELD	
4- 3	*5786610100	RIVET,PUSH; RP-3035-NB	
4- 4	*5200183001	SW PCB ASSY(A)	Ref. Pages 51 & 69
4- 5	*5787033400	SUPPORT,PCB; KGLS-14R	
4- 6	*5800742600	KNOB,NR	
4- 7	*5800743500	MASK,VR;B	
4- 8	*5800742500	KNOB,BIAS VR	
4- 9	5800603800	SPRING,CASS.PRESS.	
4-10	5800739200	HOLDER,CASSETTE	
4-11	*5800739500	NAME PLATE,COVER	
4-12	*5800745202	ESCUTCHEON ASSY,D	
4-13	5791234130	SPRING,2341-30	
4-14	5800740600	BUUTION,EJECT	
4-15	5800742100	KNOB,TIMER	
4-16	*5200183310	TIMER PCB ASSY(A)	Ref. Pages 52 & 70
4-17	*5800740701	ARM,EJECT	
4-18	5800775200	SPRING,HOLDER;B	
4-19	*5800744500	SHAFT,HOLDER	
4-20	5800620500	DAMPER ASSY,	
4-21	5225015100	LED SLF301C YEL-GRN (D001)	
4-22	*5200183210	COUNTER PCB ASSY(A)	Ref. Pages 50 & 68
4-23	*5800742900	COVER,METER	
4-24	*5800743100	COVER,NR	
4-25	*5800743200	ADHESIVE TAPE,COVER;NR	
4-26	*5800743300	REFLECTOR,METER	
4-27	*5200182811	JACK PCB ASSY	Ref. Pages 50 & 67
4-28	5800741201	LENS	
4-29	5800741300	BUTTON,A	
4-30	*5800743600	MASK,BUTTON	
4-31	5800741000	BUTTON,FF-REW	
4-32	5800740900	BUTTON,PLAY	
4-33	5800742200	KNOB,REC VR;L	
4-34	5800742300	KNOB,REC VR;R	
4-35	5800741100	BUTTON,STOP	
4-36	5800741501	BUTTON,C	
4-37	*5800742000	ESCUTCHEON,BUTTON;C	
4-38	5800742400	KNOB,OUTPUT	
4-39	5800741600	BUTTON,D	
4-40	5800741900	BUTTON,G	
4-41	*5800739800	PANEL,FRONT	
4-42	*5800744700	LENS,RUBBER	
4-43	Vacant		
4-44	*5786610300	RIVET,PUSH; RP-3055-NB	
4-51	*5781813000	NUT, M3	
4-52	*5781112608	SCREW,TAP (2) M2.6X8	
4-53	*5780133008	SCREW,,PAN SEMS A;M3X8	
4-54	*5783602008	SCREW,BIND P TITE; M2X8	
4-55	*5783663008	SCREW,FLAT BTITE M3X8 BLK	
4-56	*5317003300	NUT,1/4 PHONE	

Parts marked with *require longer delivery time.

EXPLODED VIEW-6 (R-888X)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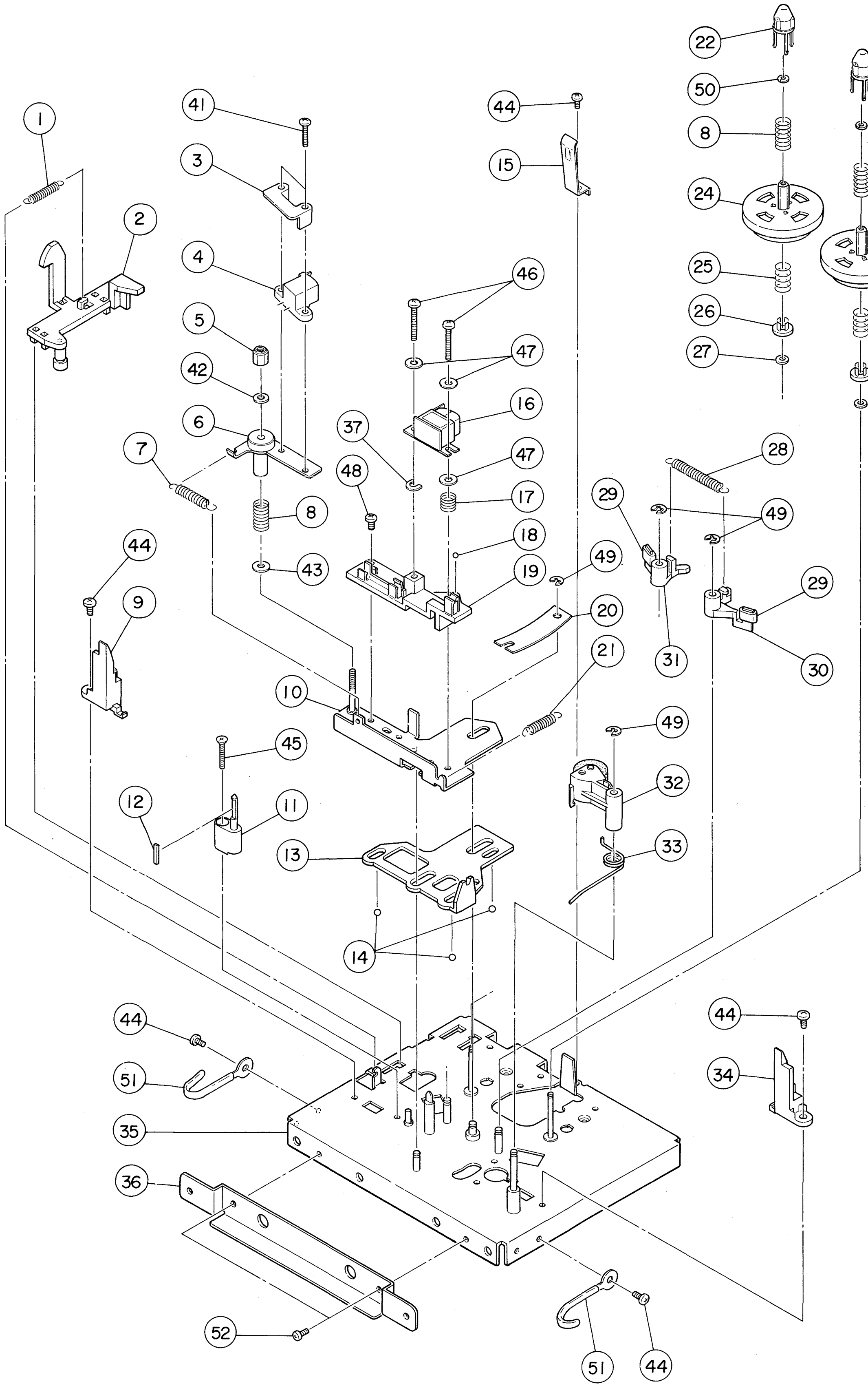
REF.NO.	PARTS NO.	DESCRIPTION	REMARKS
5- 1	*5800768700	LEVER,CASSETTE LOCK	
5- 2	5800616300	SPRING,LOCK LEVER	
5- 3	5800616400	SPRING,EJECT PREVENTING	
5- 4	*5800731700	BRACKET ASSY,SW ARM;L	
5- 5	5800755800	SPRING,PRESSURE ARM	
5- 6	*5800595602	ARM,SW PRESSURE	
5- 7	*5200182400	SENSOR PCB ASSY	Ref. Pages 48 & 65
5- 8	5301753500	SW.,LEAF LSA-2125	
5- 9	5301753600	SW.,LEAF LSA-1125-7	
5-10	*5200182500	JOINT PCB ASSY	Ref. Pages 48 & 65
5-11	5301753400	SW.,LEAF LSC-1223-21	
5-12	5800618900	PINCH ROLLER ASSY	
5-13	5800739100	SPRING,PINCH ROLLER	
5-14	5800596700	ARM ASSY,P.ROLLER;L	
5-15	5378901700	HEAD,ERASE	
5-16	*5800597600	BRACKET,E HEAD;L	
5-17	5800615500	SPRING,E.HEAD ARM L	
5-18	5800615700	SPRING,E.HEAD GUIDE	
5-19	5800618700	ARM ASSY,E HEAD;L	
5-20	5800615300	SPRING,ERASE HEAD	
5-21	5800595701	GUIDE,CASSETTE;L	
5-22	5228009900	PHOTO SENSOR	
5-23	5800750600	HEAD ASSY,P	
5-24	5800595000	SPACER,A 0.1MM	
5-25	5800595100	SPACER,B 0.2MM	
5-26	5800595200	SPACER,C 0.28MM	
5-27	5800595500	SPRING.PRESSURE	
5-28	5800615400	SPRING,HEAD BASE	
5-29	5540055000	STEEL BALL 2MM	
5-30	*5800618100	PLATE ASSY,HEAD BASE	
5-31	5540056000	STEEL BALL 3MM	
5-32	*5800618202	PLATE ASSY,SLIDER	
5-33	5800597700	BRACKET,E HEAD;R	
5-34	5800615600	SPRING,E.HEAD ARM;R	
5-35	5800618800	ARM ASSY,E HEAD;R	
5-36	5800616100	SPRING,BRAKE	
5-37	5800620000	ARM ASSY,BRAKE;L	
5-38	5800619900	ARM ASSY,BRAKE;R	
5-39	*5800594000	BRACKET,R	
5-40	5800596800	ARM ASSY,P.ROLLER;R	
5-41	5800595801	GUIDE,CASSETTE;R	
5-42	*5800731800	CHASSIS ASSY,MECANISM	
5-51	*5786003000	E RING E-3 (JIS)	
5-52	*5783002605	SCREW,PAN S TITE M2.6X5	
5-53	*5783032605	SCREW,BIND S TITE M2.6X5	
5-54	*5783032005	SCREW,BIND S TITE M2X5	
5-55	*5780002006	SCREW,BIND M2X6	
5-56	*5785122600	WASHER,LOCK 2.6F	
5-57	*5786710100	CLAMPER,CORD;2	
5-58	*5786002500	E RING E-2.5 (JIS)	
5-59	*5786002000	E RING E-2 (JIS)	
5-60	*5780112612	SCREW,PAN M2.6X12(NI)	
5-61	*5781952600	NUT,LOCK;M2.6	
5-62	*5785313000	WASHER,POLY 3X6X0.5T	
5-63	*5785302400	WASHER,POLY 2.1X5X025T	
5-64	*5783032606	SCREW,BIND S TITE M2.6X6	
5-65	*5783002606	SCREW,PAN S TITE M2.6X6	
5-66	*5783002004	SCREW,PAN S TITE M2X4	
5-67	*5785313100	WASHER,POLY 3X9X0.5T	
5-68	*5783032604	SCREW,BIND S TITE M2.6X4	

Parts marked with *require longer delivery time.

EXPLODED VIEW-7 (V-850X/V-750)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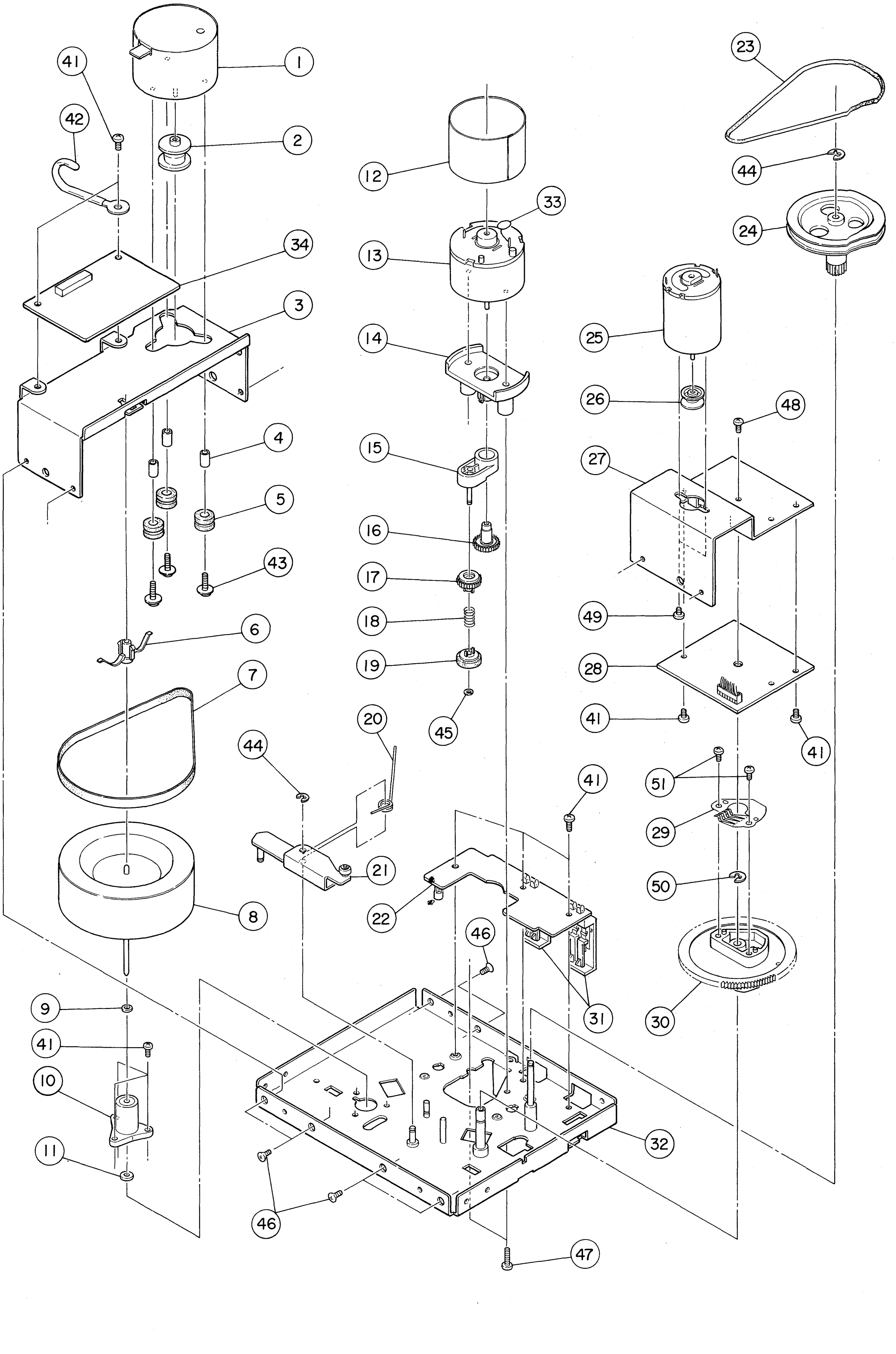
REF.NO.	PARTS NO.	DESCRIPTION	REMARKS
6- 1	5370006300	MOTOR,CAPSTAN EG-500AD-2F	
6- 2	5800731900	PULLEY,CAPSTAN MOTOR	
6- 3	*5785603050	SPACER 3.0X5.0MM	
6- 4	5800750400	SPACER,RUBBER;E	
6- 5	5800732000	BRACKET,FLYWHEEL	
6- 6	5800236900	BEARING,THRUST	
6- 7	5800732200	CAPSTAN ASSY,L	
6- 8	5534810000	BELT,CAPSTAN	
6- 9	5800735300	WASHER,THRUST	
6-10	5800732300	CAPSTAN ASSY,R	
6-11	5800732100	HOLDER ASSY,CAPSTAN	
6-12	Vacant		
6-13	*5800235900	PLATE,SHIELD	
6-14	5370002502	MOTOR,R.DC. .015 0.2	
6-15	*5800732601	HOLDER,MOTOR	
6-16	5800461500	ARM ASSY,PULLEY	
6-17	5800736000	PULLEY,GEAR;A	
6-18	5800461600	PULLEY B ASSY,GEAR	
6-19	5800430200	SPRING,PULLEY	
6-20	5800430302	IDLER ASSY	
6-21	*5800731600	BRCKET,REEL ASSY	
6-22	5347003300	SHAFT ASSY,COIL	
6-23	5800731400	RING,HYSTERESIS	
6-24	5800731500	TABLE ASSY,REEL	
6-25	5800231300	SPRING,REEL	
6-26	5800236501	RING,DRIVE	
6-27	*5800731800	CHASSIS ASSY,MECANISM	
6-28	5800419200	BELT	
6-29	5370005100	MOTOR,C.0.064 0.77	
6-30	5800597001	PULLEY,REDUCTION	
6-31	5800123300	PULLEY,V	
6-32	*5800732400	BRACKET,MOTOR	
6-33	*5210152401	PCB,CAM	Ref. Page 53
6-34	5800595300	PLATE,CONTACT	
6-35	5800597401	CAM,CONTROL	
6-36	*5800620701	ARM ASSY,HEAD BASE	
6-37	5800732500	SPRING,DIRECTION	
6-38	*5800620801	LEVER ASSY,CHANGE	
6-39	5173395000	C.,CERAMIC 0.047MF 50V	
6-41	*5783002605	SCREW,PAN S TITE M2.6X5	
6-42	*5786713000	CLAMPER,CORD 3,8	
6-43	*5780142608	SCREW,PAN SEMS B M2.6X8	
6-44	*5783002606	SCREW,PAN S TITE M2.6X6	
6-45	*5785331500	WASHER,POLIS. 1.5X4X0.5T	
6-46	*5780002617	SCREW,BIND M2.6X17	
6-47	*5785301100	WASHER,POLY 1.5X4X0.25T	
6-48	*5785331100	WASHER,POLY 1.2X3.6X0.5T	
6-49	*5786002000	E RING E-2 (JIS)	
6-50	*5780002004	SCREW,BIND M2X4	
6-51	*5780002603	SCREW,BIND M2.6X3	
6-52	*5783032604	SCREW,BIND S TYTE M2.6X4	
6-53	*5785024800	WASHER,FLAT 4.3X8X0.8T	
6-54	*5781112004	SCREW,BIND TAPPING 2 M2X4	
6-55	*5786010900	E RING E-9	

Parts marked with *require longer delivery time.

EXPLODED VIEW-8 (V-850X/V-750)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REF.NO.	PARTS NO.	DESCRIPTION	REMARKS
7- 1	5800737200	SPRING,LOCK	
7- 2	*5800737000	LEVER ASSY,LOCK	
7- 3	*5800468400	COVER,E HEAD	
7- 4	5378904300	HEAD,ERASE 4-4 E-921-HL	
7- 5	5781953000	NUT,M3	
7- 6	*5800234601	PLATE ASSY,HEAD	
7- 7	5800519001	SPRING,E.HEAD PRES.	
7- 8	5800231300	SPG.,REEL	
7- 9	5800595701	GUIDE,CASSETTE;L	
7-10	*5800235600	BASE SUB ASSY,HEAD	
7-11	5800235100	HOLDER,PAD	
7-12	5800235201	PAD,HEAD	
7-13	*5800122802	PLATE,SLIDER	
7-14	5540056000	STEEL BALL 3MM	
7-15	5800734901	SPRING,CASSETTE PRESS.	
7-16	5378901300	HEAD,R/P COMBINATION	
7-17	5800114700	SPRING,HEAD ADJ	
7-18	5540055000	STEEL BALL 2MM	
7-19	5800238303	HOLDER,HEAD;B	
7-20	5800735000	SPRING,BASE PRSS.	
7-21	5800455100	SPRING,ARM BASE	
7-22	5800236501	RING,DRIVE	
7-23	Vacant		
7-24	5800735800	TABLE ASSY,REEL	
7-25	5800481901	SPRING,B. TENSION	
7-26	5800231500	HOLDER,SPRING	
7-27	5800539800	WASHER 1.7X4X0.3T	
7-28	5800616100	SPRING,BRAKE	
7-29	*5800126401	SHOE,BRAKE	
7-30	*5800439701	ARM ASSY,BRAKE R.	
7-31	*5800439601	ARM ASSY,BRAKE L.	
7-32	5800239002	PINCH ROLLER ASSY,B	
7-33	5800735600	SPRING,PINCH ARM	
7-34	5800595801	GUIDE,CASSETTE;R	
7-35	*5800737300	CHASSIS ASSY,MECHANISM	
7-36	*5800744200	BRACKET,MECHANISM;B	
7-37	5800468900	SPACER,HEAD	
7-41	*5780002014	SCREW,BIND M2X14	
7-42	*5785313000	WASHER,POLIS. 3X6X0.5T	
7-43	*5785003000	FLAT WASHER, 0.5T	
7-44	*5783032606	SCREW,BIND S TITE M2.6X6	
7-45	*5783042614	SCREW,FLAT S TITE M2.6X14	
7-46	*5780002016	SCREW,BIND M2X16	
7-47	*5785012000	WASHER,FLAT 2 (0.4T)	
7-48	*5780002005	SCREW,BIND M2X5	
7-49	*5786002000	E RING,E-2 (JIS)	
7-50	*5785331100	WASHER,POLIS.1.2X3.6X0.5T	
7-51	*5581038000	HARNESS CLIP,A	
7-52	*5783003005	SCREW,PAN S TITE M3X5	

Parts marked with *require longer delivery time.

7 PC BOARDS AND PARTS LIST

基板図とパーツ・リスト

NOTES

1. PC boards are shown viewed from foil side.
2. The colors on the PC board illustrations have the following significance:
   - ▨ : +B power supply circuit
   - ░ : –B power supply circuit
   - ▓ : GND
   - ▒ : other
3. Resistor values are in ohms (k=kilo-ohms M=megohms).
4. All capacitor values are in microfarads (p=picofarads).
5. ⚠ Parts marked with this sign are safety critical components. They must always be replaced with identical components. Refer to the appropriate parts list to ensure exact replacement.

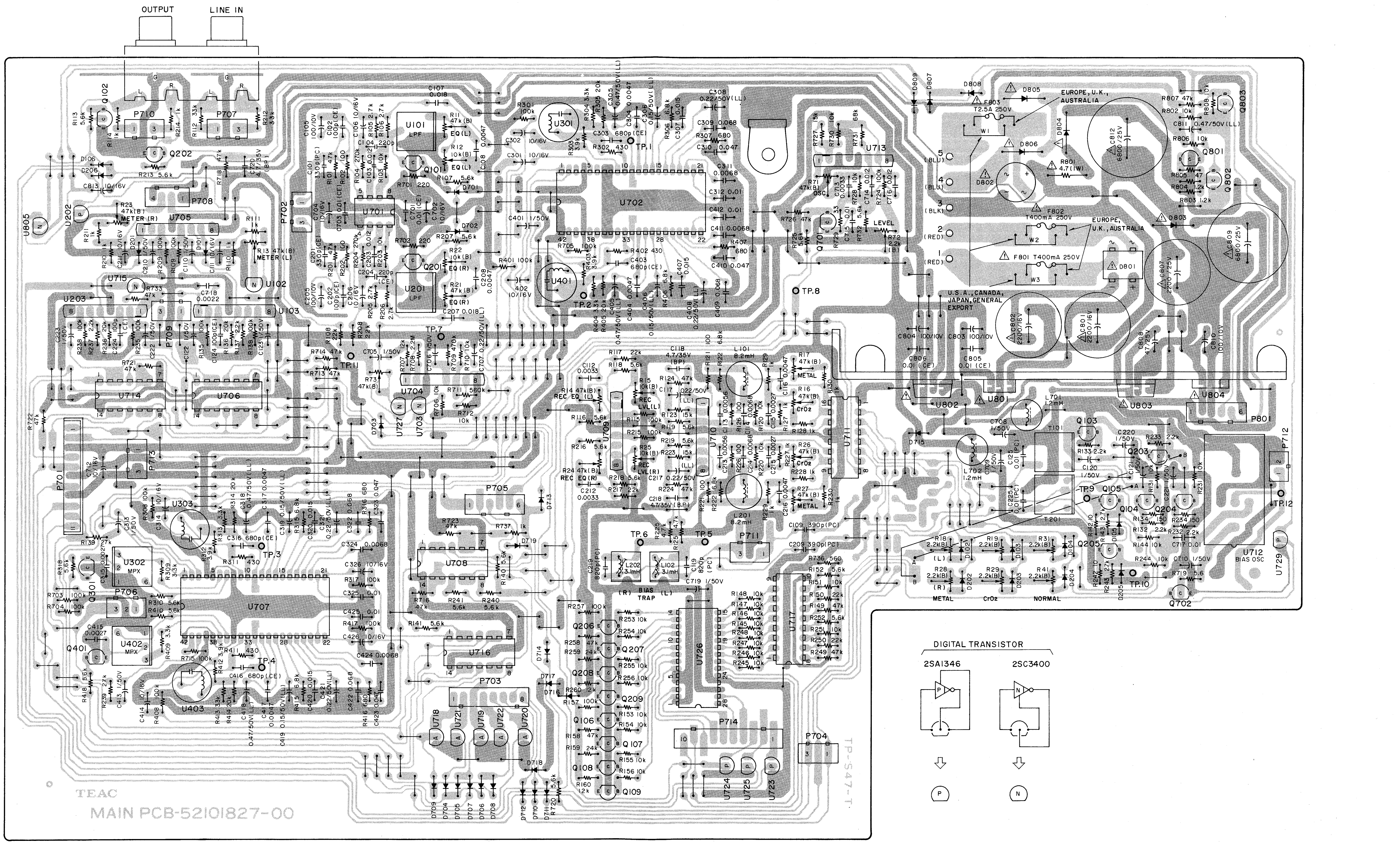
注

1. 基板図はパターン面が示されています.
2. プリント・パターンは次のように色別されています.
   - ▨ : ＋B電源回路
   - ░ : －B電源回路
   - ▓ : GND
   - ▒ : その他の回路
3. 抵抗の単位はΩ(k＝kΩ、M＝MΩ)です.
4. コンデンサの単位はμF(p＝pF)です.
5. ⚠マークのある部品は安全重要部品です.
   交換するときは必ずティアック指定の部品を使用してください.

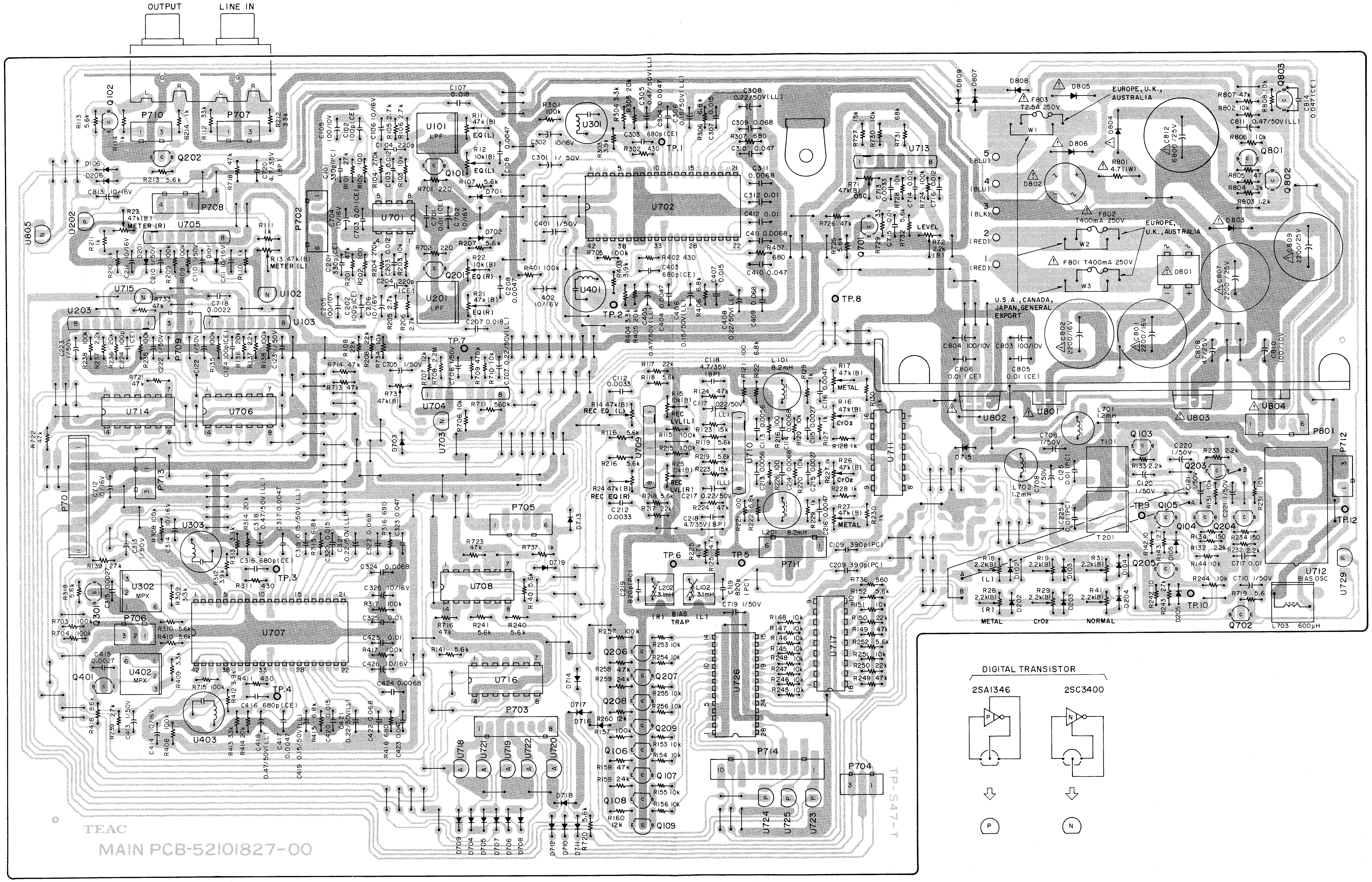
REF.NO.	PARTS NO.	DESCRIPTION	REMARKS
8- 1	5370004200	MOTOR,C.DC 0.85 10.2	
8- 2	5800232200	PULLEY,MOTOR	
8- 3	*5800737600	BRCKET,MOTR;A	
8- 4	*5785603050	SPACER,3.0X5.0MM	
8- 5	*5800750400	SPACER,RUBBER;E	
8- 6	5800236900	BEARING,THRUST	
8- 7	5800735500	BELT,CAPSTAN	
8- 8	5800735100	CAPSTAN ASSY	
8- 9	5800735300	WASHER,THRUST	
8-10	5800238800	HOUSING ASSY,CAPSTAN	
8-11	5800735401	WASHER,OIL RETAINER	
8-12	*5800235900	PLATE,SHIELD	
8-13	5370002502	MOTOR,R.DC. .015 0.2	
8-14	*5800732601	HOLDER,MOTOR	
8-15	5800461500	ARM ASSY,PULLEY	
8-16	5800736000	PULLEY,GEAR;A	
8-17	5800461600	PULLE B ASSY,GEAR	
8-18	5800430200	SPRING,PULLEY	
8-19	5800430302	IDLER ASSY	
8-20	5800530101	SPRING,BASE RETURNING	
8-21	*5800736600	ARM ASSY,ACTUATING	
8-22	*5200182200	SENSOR PCB ASSY	Ref. Pages 52 & 70
8-23	5800772000	BELT	
8-24	5800117200	PULLEY,REDUCTION	
8-25	5370005100	MOTOR,C.0.064 0.77	
8-26	5800123300	PULLEY,V	
8-27	*5800737700	BRACKET,MOTOR;B	
8-28	*5210184100	CAM PCB	Ref. Page 53
8-29	5800595300	PLATE,CONTACT	
8-30	5800737800	CAM,CONTROL	
8-31	5301753700	SW,LEAF	
8-32	*5800737300	CHASSIS ASSY,MECHANISM	
8-33	5173395000	C.,CERAMIC 0.047MF 50V	
8-34	*5200185500	FT PCB ASSY	Ref. Pages 50 & 67
8-41	*5783032606	SCREW,BINDS TITE M2.6X6	
8-42	*5581038000	HARNESS CLIP A	
8-43	*5780142608	SCREW,PAN SEMS B M2.6X8	
8-44	*5786002000	E RING E-2 (JIS)	
8-45	*5785331500	WASHER,POLIS. 1.5X4X0.5T	
8-46	*5783042605	SCREW,FLAT STITE M2.6X5	
8-47	*5780002617	SCREW,BIND M2.6X17	
8-48	*5780002005	SCREW,BIND M2X5	
8-49	*5780002603	SCREW,BIND M2.6X3	
8-50	*5786003000	E RING E-3 (JIS)	
8-51	*5781112004	SCREW,BIND TAP 2 M2X4	

Parts marked with *require longer delivery time.

MAIN PCB ASSY (R-888X)


OUTPUT
LINE IN
L
R
G
P710
P707
P708
P709
P701
P702
P703
P704
P705
P706
P711
P712
P713
P714
P801
U101
LPF
U201
LPF
U301
U401
U302
MPX
U402
MPX
U303
U403
U701
U702
U703
U704
U705
U706
U707
U708
U709
U710
U711
U712
BIAS OSC
U713
U714
U715
U716
U717
U726
U801
U802
U803
U804
U805
T101
T201
L101
8.2mH
L201
8.2mH
L701
1.2mH
L702
1.2mH
L102
3.1mH
L202
3.1mH
BIAS TRAP
EQ (L)
EQ (R)
METER (R)
METER (L)
REC EQ (L)
REC EQ (R)
REC LVL (L)
REC LVL (R)
METAL
CrO2
NORMAL
OSC
LEVEL
TP.1
TP.2
TP.3
TP.4
TP.5
TP.6
TP.7
TP.8
TP.9
TP.10
TP.11
TP.12
F601
T2.5A 250V
F801 T400mA 250V
F802
T400mA 250V
EUROPE, U.K., AUSTRALIA
U.S.A., CANADA, JAPAN, GENERAL EXPORT
5 (BLU)
4 (BLU)
3 (BLK)
2 (RED)
1 (RED)
W1
W2
W3
D801
D802
D804
D805
D806
D807
D808
D809
C801 2200/16V
C802 2200/16V
C807 2200/25V
C809 6800/25V
C812 6800/25V
Q801
Q802
Q803
DIGITAL TRANSISTOR
2SA1346
2SC3400
P
N
TEAC
MAIN PCB-52101827-00
TP-547-T

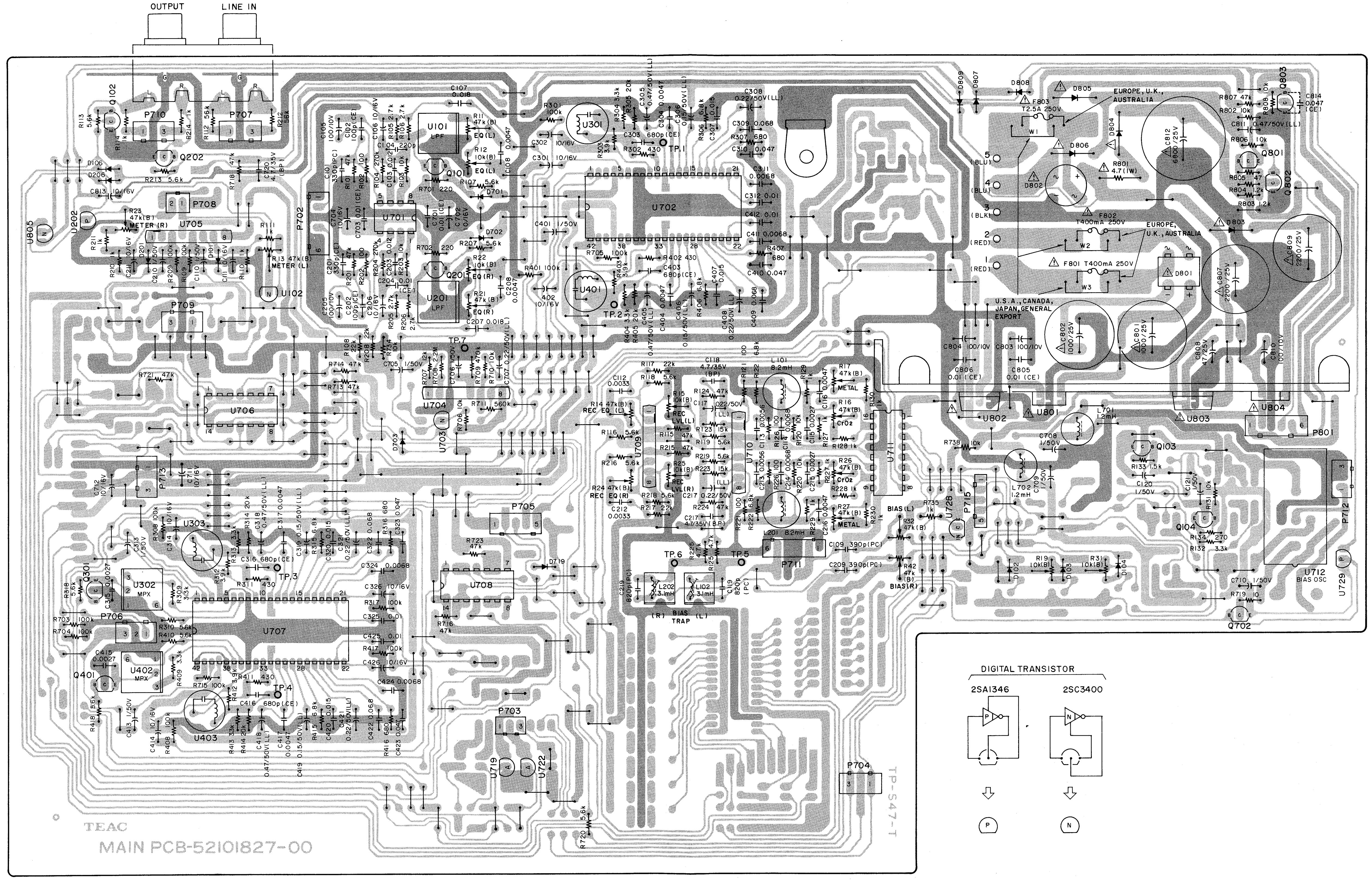
MAIN PCB ASSY (V-850X)


OUTPUT
LINE IN
P710
P707
P708
P709
P702
P713
P701
P705
P706
P703
P711
P714
P704
P712
P801
U101 LPF
U201 LPF
U102
U103
U202
U203
U301
U302 MPX
U303
U401
U402 MPX
U403
U701
U702
U703
U704
U705
U706
U707
U708
U709
U710
U711
U712 BIAS OSC
U713
U714
U715
U716
U717
U718
U719
U720
U721
U722
U723
U724
U725
U726
U729
U801
U802
U803
U804
U805
Q101
Q102
Q103
Q104
Q105
Q106
Q107
Q108
Q109
Q201
Q202
Q203
Q204
Q205
Q206
Q207
Q208
Q209
Q301
Q401
Q701
Q702
Q801
Q802
Q803
T101
T201
L101 8.2mH
L201 8.2mH
L102 3.1mH
L202 3.1mH
L701 1.2mH
L702 1.2mH
L703 600μH
BIAS TRAP
TP.1
TP.2
TP.3
TP.4
TP.5
TP.6
TP.7
TP.8
TP.9
TP.10
TP.12
METER (R)
METER (L)
EQ (L)
EQ (R)
REC EQ (L)
REC EQ (R)
REC LVL (L)
REC LVL (R)
LEVEL
OSC
METAL
CrO2
NORMAL
D801
D802
D803
D804
D805
D806
D808
D809
F801 T400mA 250V
F802 T400mA 250V
F803 T2.5A 250V
EUROPE, U.K., AUSTRALIA
U.S.A., CANADA, JAPAN, GENERAL EXPORT
5 (BLU)
4 (BLU)
3 (BLK)
2 (RED)
1 (RED)
W1
W2
W3
C812 6800/25V
C809 2200/25V
C807 2200/25V
C802 2200/16V
C801 2200/16V
TEAC
MAIN PCB-52101827-00
TP-S47-T

DIGITAL TRANSISTOR

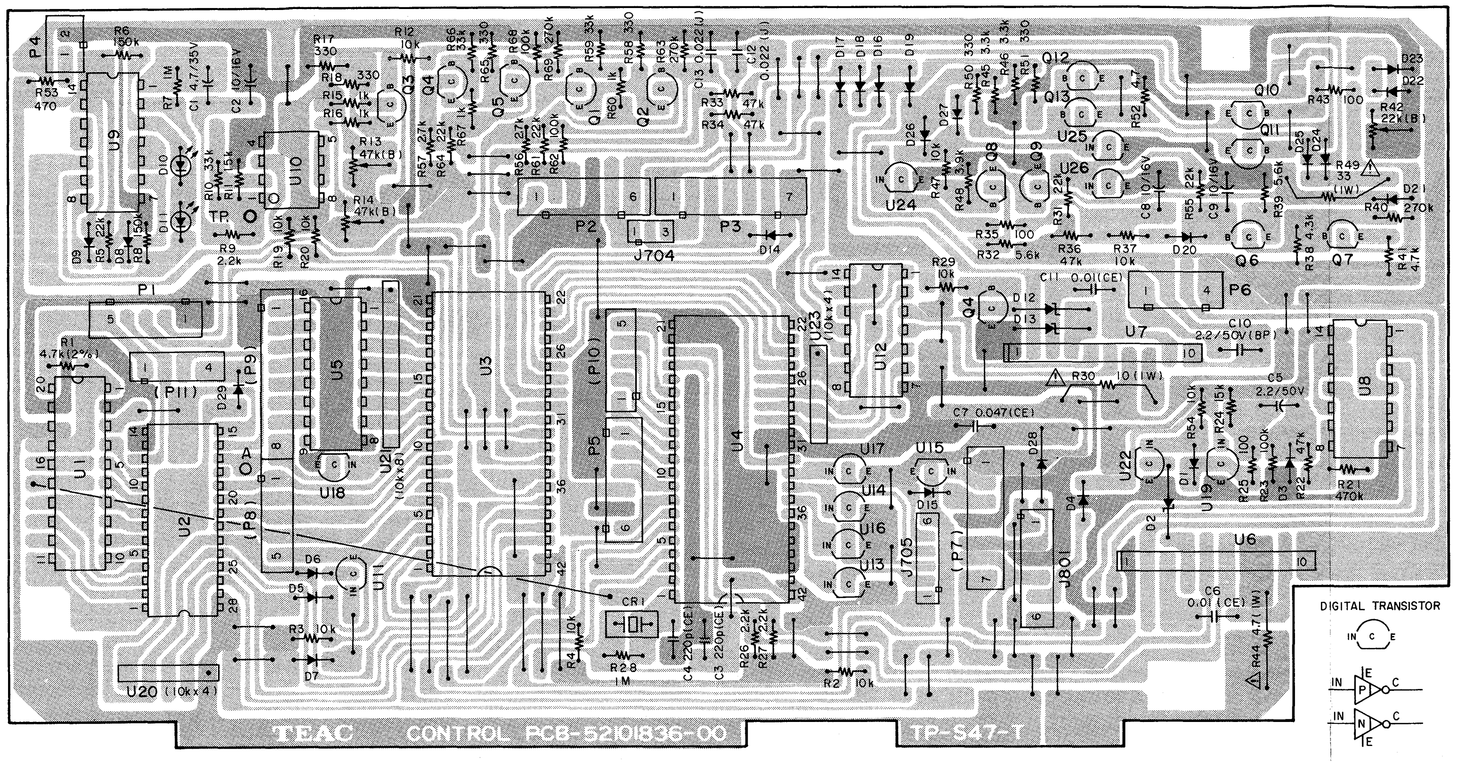
2SA1346
2SC3400
P
N

MAIN PCB ASSY (V-750)


OUTPUT
LINE IN
P710
P707
P708
P709
P702
P713
P705
P706
P703
P704
P711
P715
P712
P801
U101 LPF
U201 LPF
U301
U401
U701
U702
U705
U706
U707
U708
U709
U710
U711
U704
U703
U302 MPX
U402 MPX
U303
U403
U102
U202
U805
U719
U722
U720
U728
U729
U712 BIAS OSC
U801
U802
U803
U804
Q101
Q201
Q102
Q202
Q301
Q401
Q103
Q104
Q702
Q801
Q802
Q803
TP.1
TP.2
TP.3
TP.4
TP.5
TP.6
TP.7
METER (R)
METER (L)
EQ(L)
EQ(R)
REC LVL(L)
REC LVL(R)
REC EQ (L)
REC EQ (R)
METAL
CrO2
BIAS(L)
BIAS(R)
BIAS TRAP
L101 8.2mH
L201 8.2mH
L102 3.1mH
L202 3.1mH
L701 1.2mH
L702 1.2mH
F801 T400mA 250V
F802 T400mA 250V
F803 T2.5A 250V
EUROPE, U.K., AUSTRALIA
U.S.A., CANADA, JAPAN, GENERAL EXPORT
C812 6800/25V
C809 2200/25V
C807 2200/25V
C802 1000/25V
C801 1000/25V
C808 47/25V
C810 100/10V
C804 100/10V
C803 100/10V
D801
D802
D803
D804
D805
D806
D807
D808
D809
5 (BLU)
4 (BLU)
3 (BLK)
2 (RED)
1 (RED)
W1
W2
W3
TEAC
MAIN PCB-52101827-00
TP-547-T

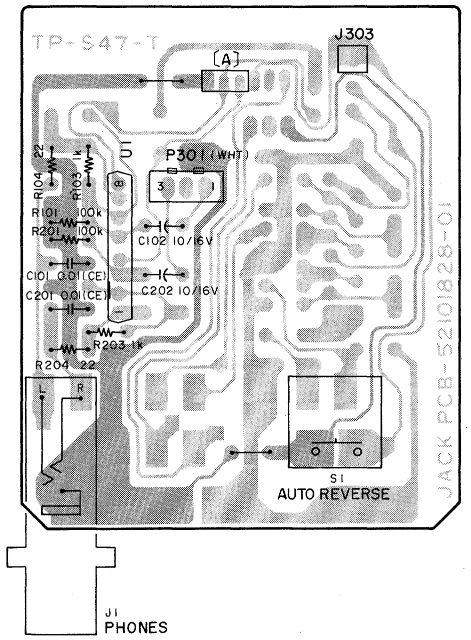
DIGITAL TRANSISTOR
2SA1346
2SC3400
P
N
P
N

CONTROL PCB ASSY (R-888X)

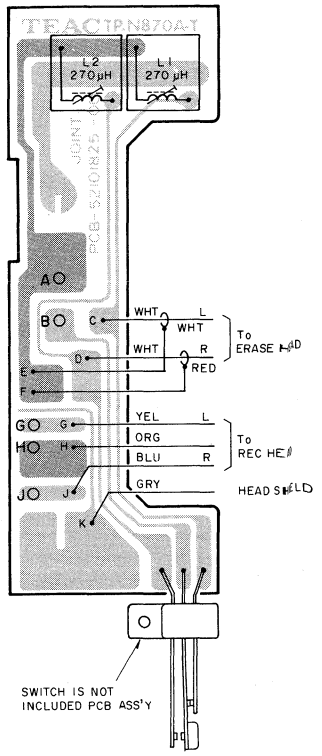

TEAC CONTROL PCB-52101836-00
TP-S47-T
U1
U2
U3
U4
U5
U6
U7
U8
U9
U10
U12
U20 (10k×4)
U23 (10k×4)
U21 (10k×8)
J704
J705
J801
CR1
P1
P2
P3
P4
P5
P6

DIGITAL TRANSISTOR
IN
C
E
IN
C
E
IN
C
E

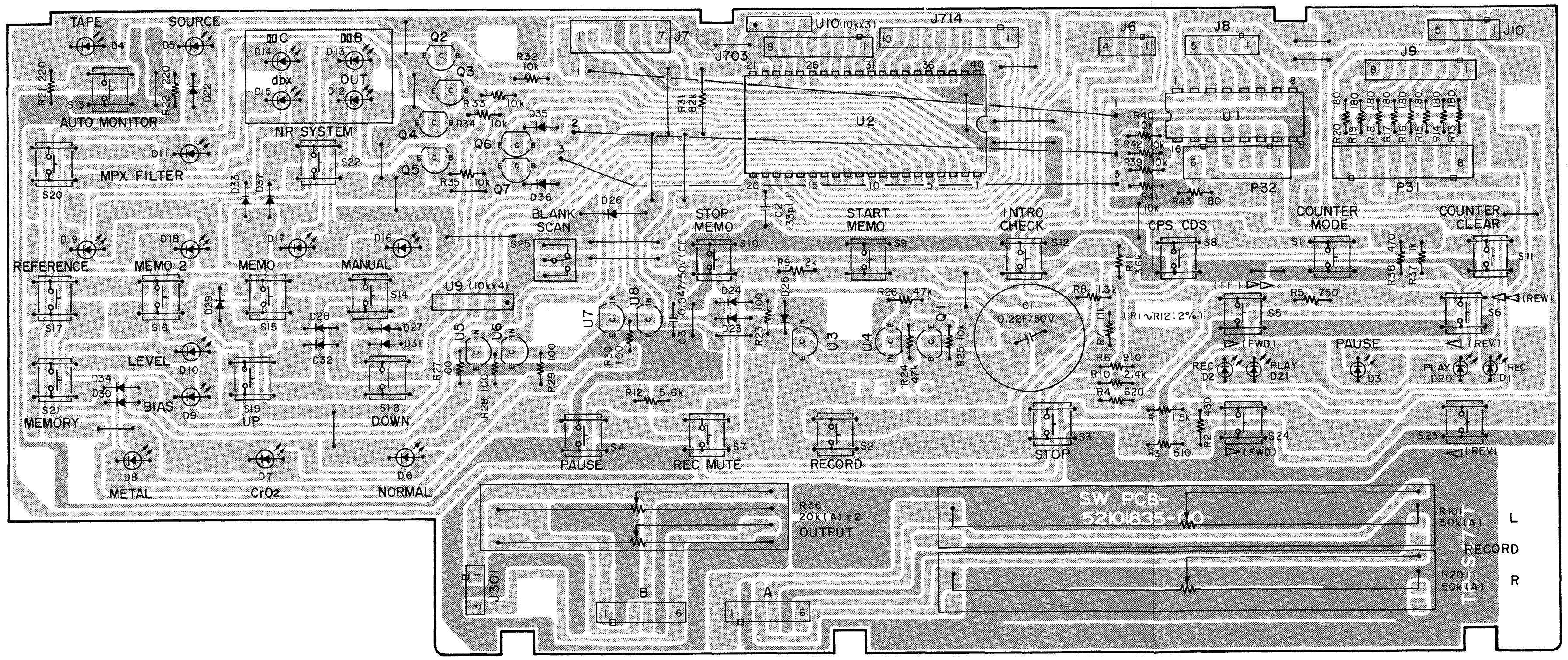
JACK PCB ASSY (R-888X)


TP-S47-T
J303
P301 (WHT)
JACK PCB-52101828-01
S1
AUTO REVERSE
J1
PHONES

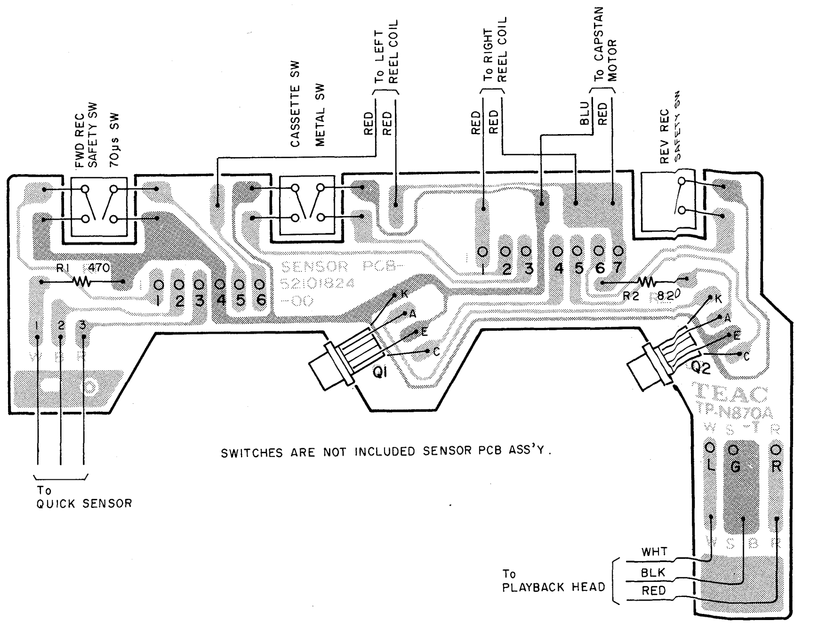
JOINT PCB ASSY (R-888X


TEAC TP-N870A-T
L2 270μH
L1 270μH
WHT
WHT
WHT
RED
To ERASE HEAD
YEL
ORG
BLU
GRY
To REC HEAD
HEAD SHIELD
SWITCH IS NOT INCLUDED PCB ASS'Y

SW PCB ASSY(B) (R-888X)

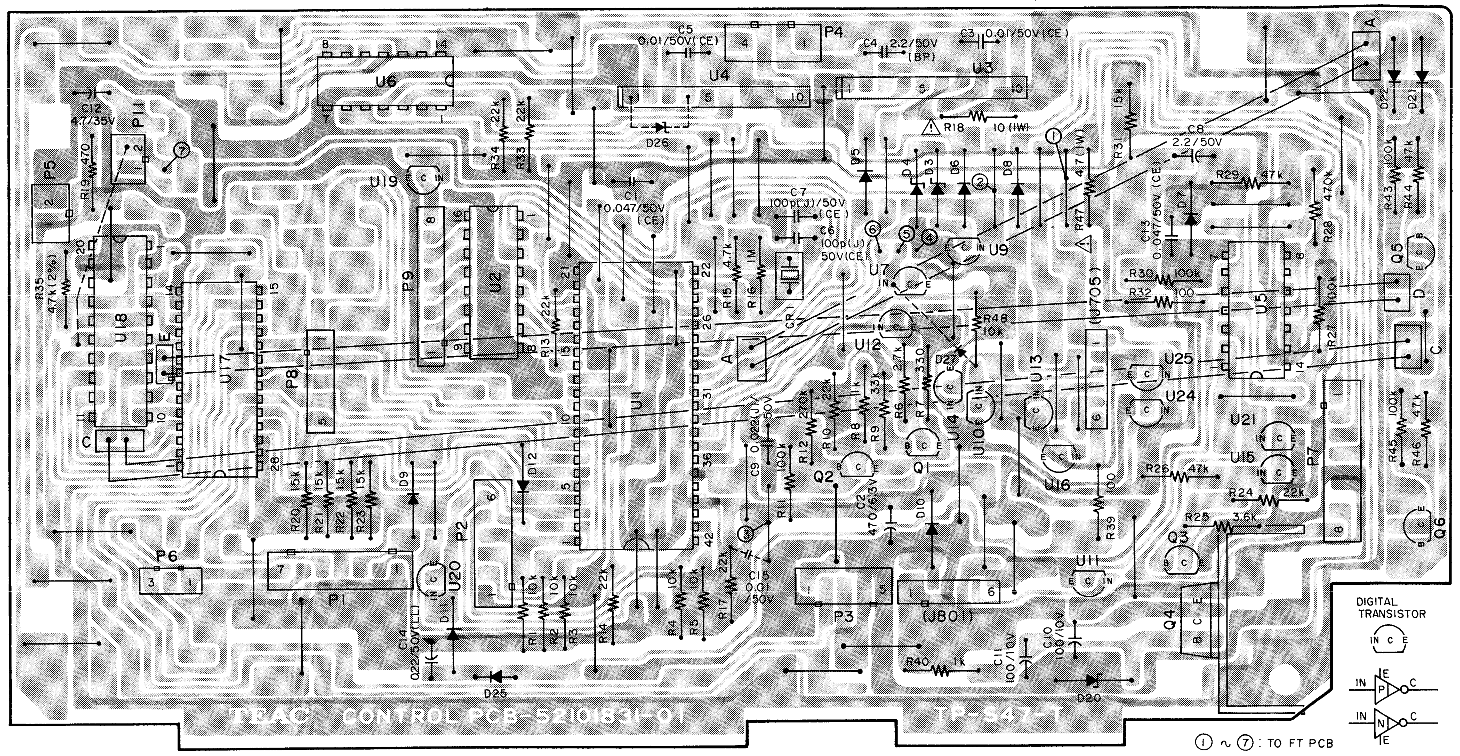

TAPE
SOURCE
AUTO MONITOR
NR SYSTEM
MPX FILTER
REFERENCE
MEMO 2
MEMO 1
MANUAL
LEVEL
BIAS
MEMORY
UP
DOWN
METAL
CrO2
NORMAL
BLANK SCAN
STOP MEMO
START MEMO
INTRO CHECK
CPS CDS
COUNTER MODE
COUNTER CLEAR
PAUSE
REC MUTE
RECORD
STOP
PLAY
REC
(FWD)
(REV)
R36 20k(A)×2 OUTPUT
SW PCB-52101835-00
R101 50k(A)
R201 50k(A)
L
RECORD
R
J301
TEAC

SENSOR PCB ASSY (R-888X)

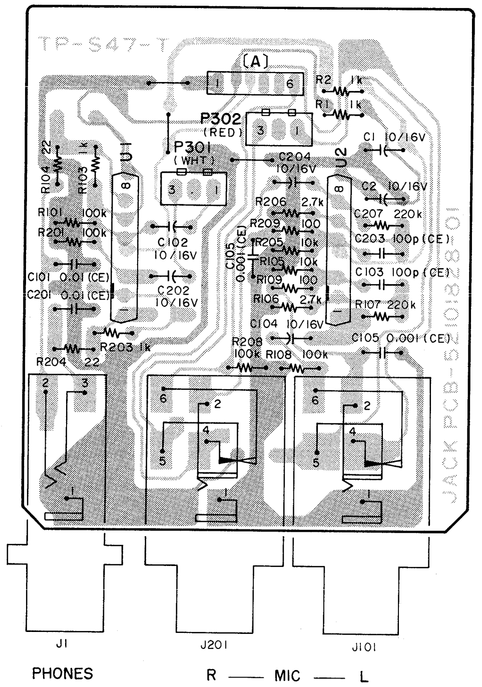

FWD REC SAFETY SW
70μs SW
CASSETTE SW
METAL SW
To LEFT REEL COIL
To RIGHT REEL COIL
To CAPSTAN MOTOR
REV REC SAFETY SW
RED
BLU
SENSOR PCB-52101824-00
TEAC TP-N870A
Q1
Q2
To QUICK SENSOR
WHT
BLK
RED
To PLAYBACK HEAD

SWITCHES ARE NOT INCLUDED SENSOR PCB ASS'Y.

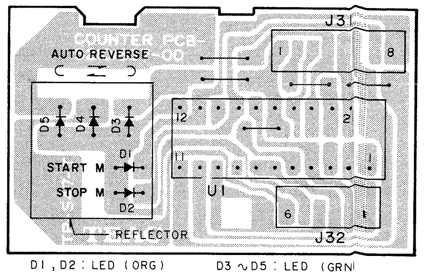
CONTROL PCB ASSY(A) (V-850X)


TEAC CONTROL PCB-52101831-01
TP-S47-T
DIGITAL TRANSISTOR
① ~ ⑦ : TO FT PCB
U1
U2
U3
U4
U5
U6
U7
U9
U12
U17
U18
U19
U20
P1
P3
P4
P5
P6
P8
P9
P11
(J705)
(J801)
Q1
Q2
Q3
Q4
Q5
Q6

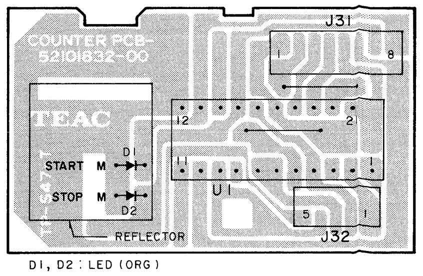
JACK PCB ASSY (V-850X/V-750)


TP-S47-T
JACK PCB-52101828-01
P301 (WHT)
P302 (RED)
U1
U2
J1
PHONES
J201
R — MIC — L
J101

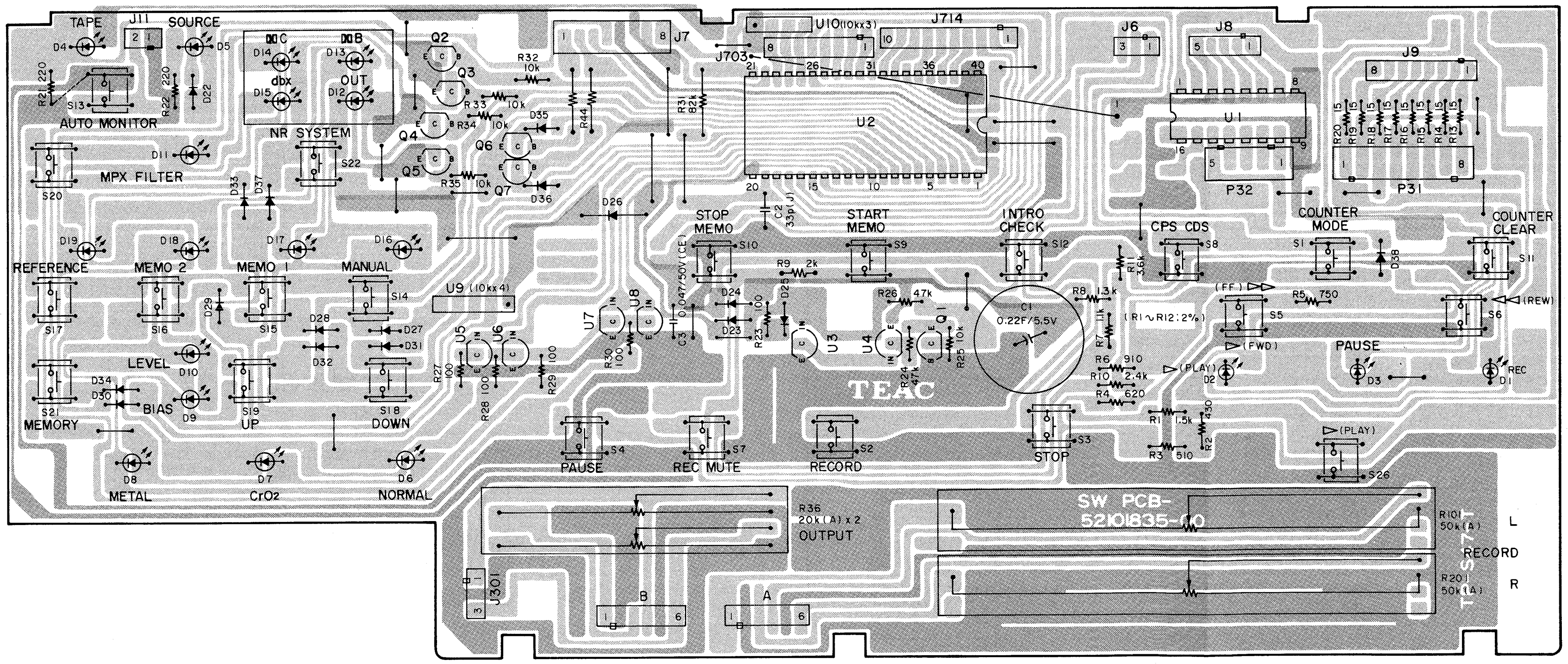
COUNTER PCB ASSY(B) (R-888X)


COUNTER PCB-
AUTO REVERSE
J31
START
STOP
U1
REFLECTOR
J32
D1, D2 : LED (ORG)
D3 ~ D5 : LED (GRN)

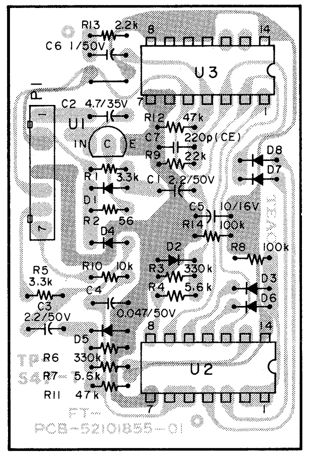
COUNTER PCB ASSY(A) (V-850X)


COUNTER PCB-52101832-00
TEAC
J31
START
STOP
U1
REFLECTOR
J32
D1, D2 : LED (ORG)

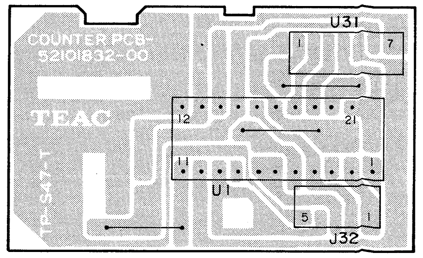
SW PCB ASSY(B) (V-850X)


TAPE
SOURCE
AUTO MONITOR
dbx
OUT
NR SYSTEM
MPX FILTER
REFERENCE
MEMO 2
MEMO 1
MANUAL
LEVEL
BIAS
MEMORY
UP
DOWN
METAL
CrO2
NORMAL
STOP MEMO
START MEMO
INTRO CHECK
CPS CDS
COUNTER MODE
COUNTER CLEAR
(FF)
(REW)
(FWD)
(PLAY)
PAUSE
REC
REC MUTE
RECORD
STOP
TEAC
SW PCB-52101835-00
R36 20k(A)×2 OUTPUT
R101 50k(A) L
RECORD
R201 50k(A) R
U2
U1
J7
J703
J714
J6
J8
J9
P31
P32
J301

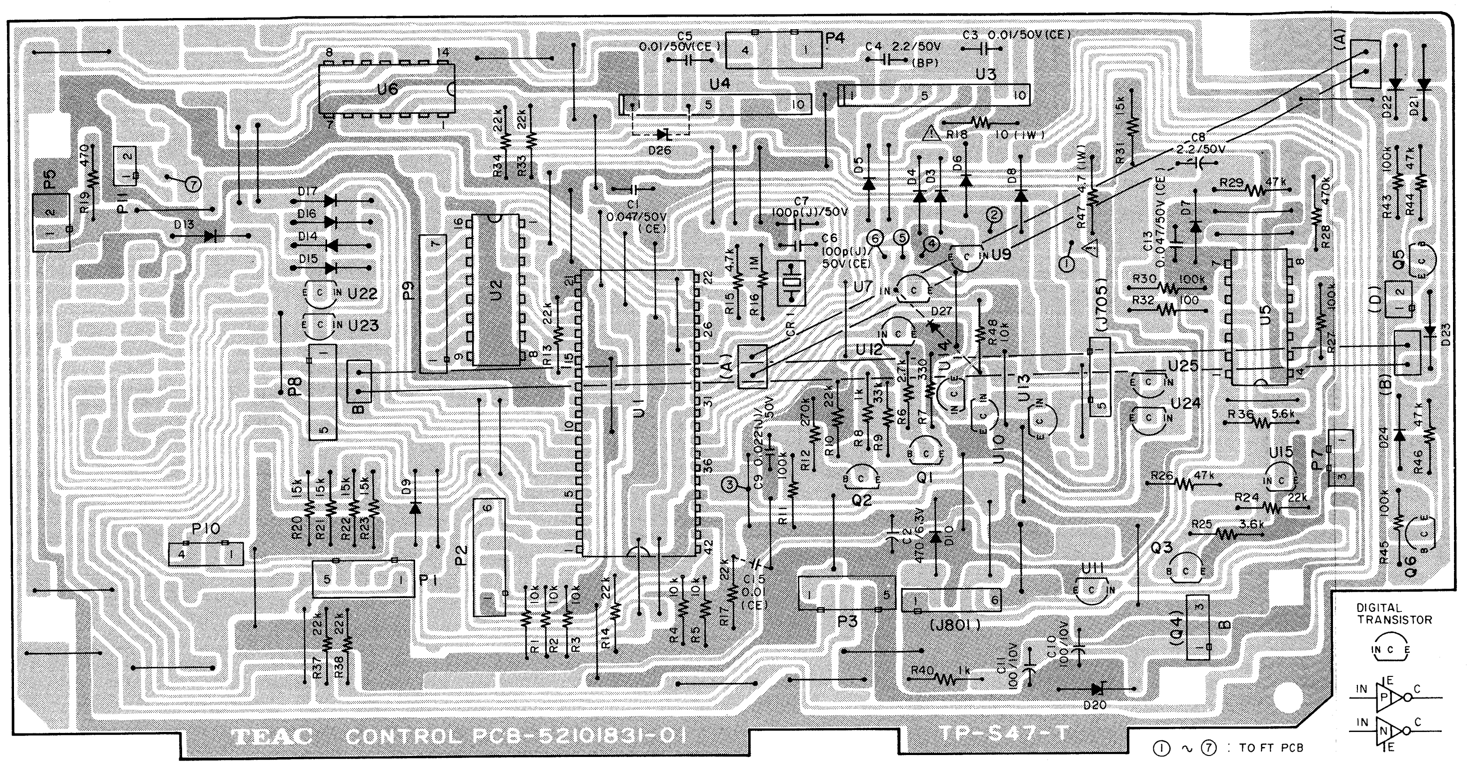
FT PCB ASSY (V-850X/V-750)


U1
U2
U3
FT-PCB-52101855-01

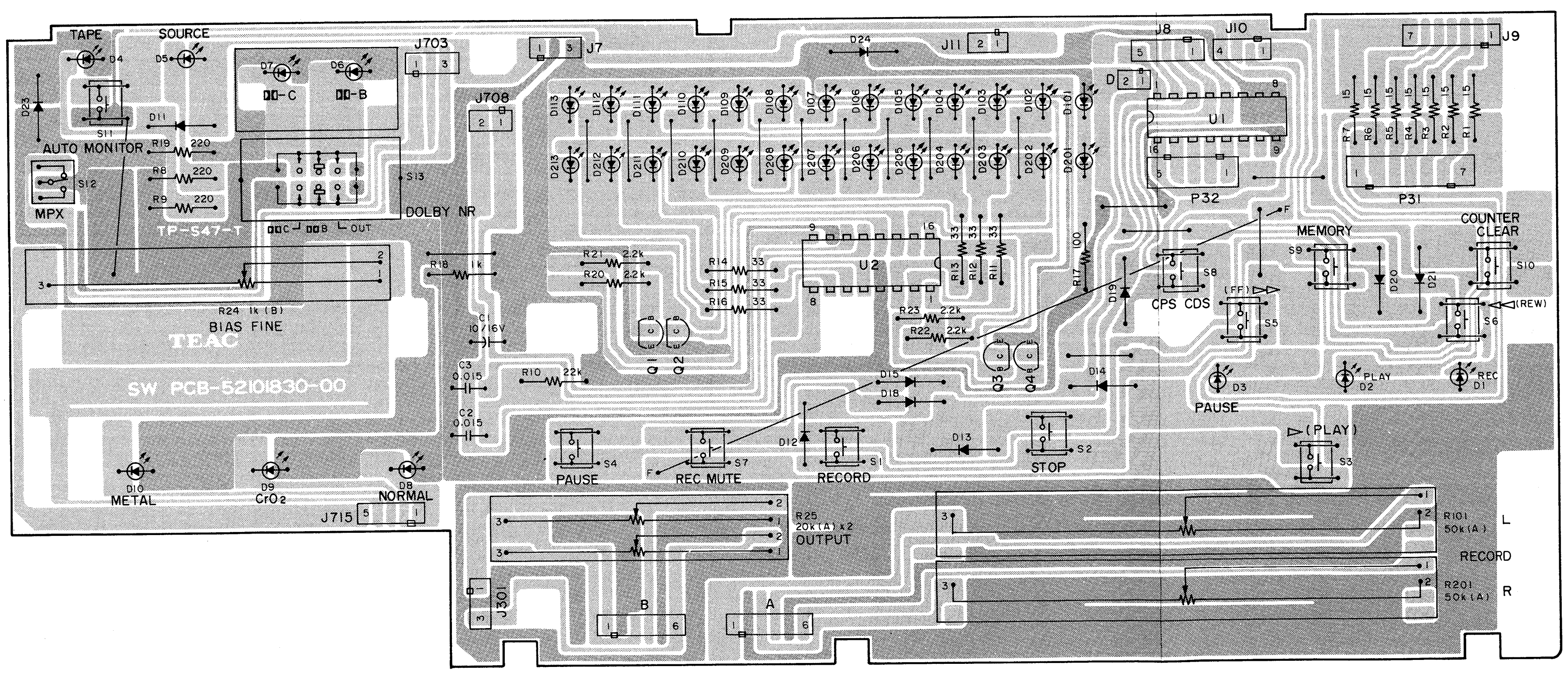
COUNTER PCB ASSY(A) (V-750)


COUNTER PCB-52101832-00
TEAC
TP-S47-T
U31
U1
J32

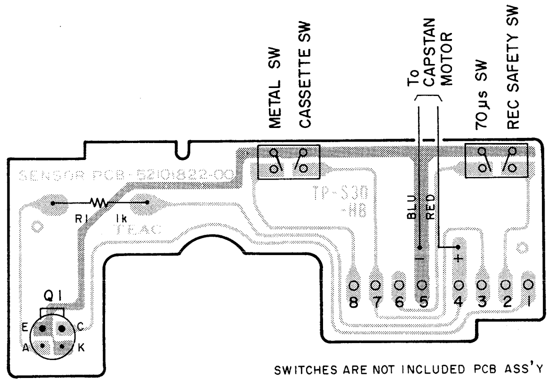
CONTROL PCB ASSY(A) (V-750)


TEAC CONTROL PCB-52101831-01
TP-S47-T
U1
U2
U3
U4
U5
U6
U7
U9
U10
U11
U12
U13
U14
U15
U22
U23
U24
U25
Q1
Q2
Q3
(Q4)
Q5
Q6
P1
P2
P3
P4
P5
P7
P8
P9
P10
P11
(J705)
(J801)
(A)
(B)
(D)
C1 0.047/50V (CE)
C3 0.01/50V(CE)
C4 2.2/50V (BP)
C5 0.01/50V(CE)
C6 100p(J)/50V(CE)
C7 100p(J)/50V
C8 2.2/50V
C9 0.022(J)/50V
C10 100/10V
C11 100/10V
C12 470/6.3V
C13 0.047/50V(CE)
C15 0.01 (CE)
D1
D3
D4
D5
D6
D8
D9
D10
D13
D14
D15
D16
D17
D20
D21
D22
D23
D24
D26
D27
R18 10 (1W)
R47 4.7 (1W)
R29 47k
R30 100k
R32 100
R36 5.6k
R26 47k
R24 22k
R25 3.6k
R40 1k
DIGITAL TRANSISTOR
IN C E
IN P C E
IN N C E
① ~ ⑦ : TO FT PCB

SW PCB ASSY(A) (V-750)

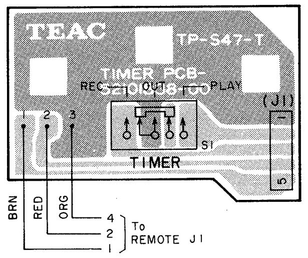

TAPE
SOURCE
AUTO MONITOR
MPX
DOLBY NR
BIAS FINE
R24 1k (B)
TEAC
SW PCB-52101830-00
TP-S47-T
METAL
CrO2
NORMAL
PAUSE
REC MUTE
RECORD
STOP
(PLAY)
CPS CDS
(FF)
(REW)
MEMORY
COUNTER CLEAR
PLAY
REC
R25 20k(A)×2 OUTPUT
R101 50k(A) L
RECORD
R201 50k(A) R
J7
J8
J9
J10
J11
J301
J703
J708
J715
P31
P32
U1
U2
Q1
Q2
Q3
Q4
S1
S2
S3
S4
S5
S6
S7
S8
S9
S10
S11
S12
S13
D1
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
D12
D13
D14
D15
D18
D19
D20
D21
D23
D24
C1 10/16V
C2 0.015
C3 0.015
R10 22k
R18 1k
R20 2.2k
R21 2.2k
R22 22k
R23 2.2k
A
B

SENSOR PCB ASSY (V-850X/V-750)

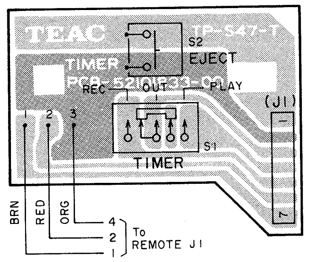

METAL SW
CASSETTE SW
To CAPSTAN MOTOR
70μs SW
REC SAFETY SW
SENSOR PCB-52101822-00
TP-S30-HB
TEAC
R1 1k
Q1
BLU
RED
8 7 6 5 4 3 2 1

SWITCHES ARE NOT INCLUDED PCB ASS'Y

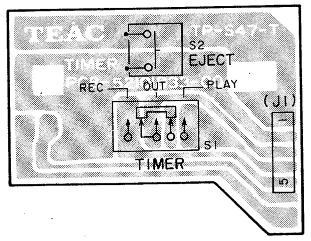
TIMER PCB ASSY(B) (R-888X)


TEAC
TP-S47-T
TIMER PCB-52101838-00
REC
OUT
PLAY
(J1)
TIMER
S1
BRN
RED
ORG
To REMOTE J1

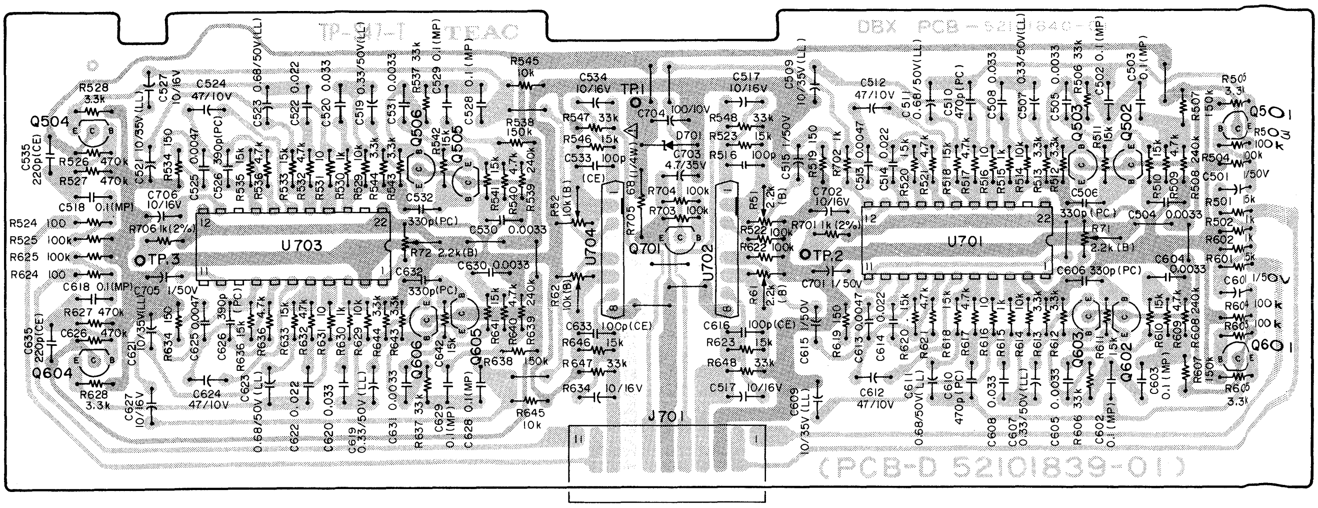
TIMER PCB ASSY(A) (V-850X)


TEAC
TP-S47-T
TIMER PCB
S2
EJECT
REC
OUT
PLAY
(J1)
TIMER
S1
BRN
RED
ORG
To REMOTE J1

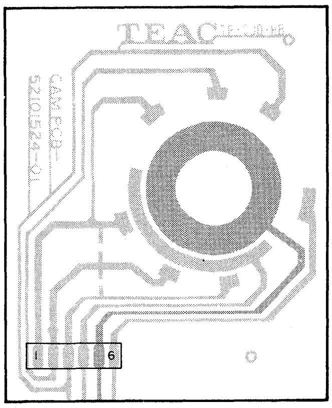
TIMER PCB ASSY(A) (V-750)


TEAC
TP-S47-T
TIMER PCB
S2
EJECT
REC
OUT
PLAY
(J1)
TIMER
S1

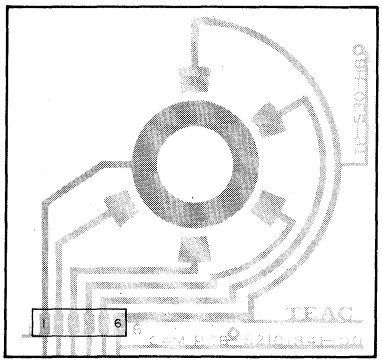
DBX PCB ASSY (R-888X/V-850X)


TEAC
DBX PCB-52101840-01
U703
U701
U702
U704
Q701
Q504
Q604
Q505
Q506
Q605
Q606
Q501
Q502
Q503
Q601
Q602
Q603
TP.1
TP.2
TP.3
D701
J701
(PCB-D 52101839-01)

CAM PCB (R-888X)


TEAC
CAM PCB
52101524-01
1
6

CAM PCB (V-850X/V-750)



MAIN PCB ASSY (R-888X)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200182700	MAIN PCB ASSY [J,US,C,GE]
	*5200182710	MAIN PCB ASSY [E,UK,A]
	*5210182700	MAIN PCB
	*5555590000	PLATE.PCB EARTH;A
	*5330509600	JACK,4P
	*5555951001	HEATSINK
	*5783003008	SCREW,PAN S TITE;M3X8
	*5783073008	SCREW,PAN CUP S TITE M3X8
	*5332015800	HOLDER,FUSE;PCB [E,UK,A]
C101 C201	5263106620	C.,POLYPRO. 330PF 100V J
C102 C202	5172212000	C.,CERAMIC 100PF/50V T
C103 C203	5171858000	C.,MYLAR 0.012UF/100V J T
C104 C204	5172216000	C.,CERAMIC 220PF/50V T
C105 C205	5260165952	C.,ELEC.100UF/10V M USM
C106 C206	5260162550	C.,ELEC.10UF 16V
C107 C207	5171862000	C.,MYLAR 0.018UF/100V J T
C108 C208	5170368000	C.,MYLAR 0.0047UF/100V JT
C109 C209	5263106820	C.,POLYPRO. 390PF 100V J
C110 C210	5260160750	C.,ELEC. 1UF50V SM T-N
C111 C211	5260162550	C.,ELEC.10UF 16V
C112 C212	5170364000	C.,MYLAR 0.0033UF/100V JT
C113 C213	5170370000	C.,MYLAR 0.0056UF/100V JT
C114 C214	5170372000	C.,MYLAR 0.0068UF/100V JT
C115 C215	5170362000	C.,MYLAR 0.0027UF/100V JT
C116 C216	5170368000	C.,MYLAR 0.0047UF/100V JT
C117 C217	5260220750	C.,ELEC. 0.22UF 50V M LL
C118 C218	5260066550	C.,ELEC. 4.7UF 35V M SMBP
C119 C219	5263107620	C.,POLYPRO. 820PF 100V J
C120 C220	5260160750	C.,ELEC. 1UF50V SM T-N
C121 C221	5260160750	C.,ELEC. 1UF50V SM T-N
C122 C222	5260160750	C.,ELEC. 1UF50V SM T-N
C123 C223	5260160750	C.,ELEC. 1UF50V SM T-N
C124 C224	5172212000	C.,CERAMIC 100PF/50V T
C125 C225	5263102920	C.,POLYPRO 0.010UF 100V J
C301 C401	5260160750	C.,ELEC. 1UF50V SM T-N
C302 C402	5260162550	C.,ELEC.10UF 16V
C303 C403	5172222000	C.,CERAMIC 680PF/50V T
C304 C404	5170368000	C.,MYLAR 0.0047UF/100V JT
C305 C405	5260220950	C.,ELEC. 0.47UF 50V M LL
C306 C406	5260220650	C.,ELEC. 0.15UF 50V M LL
C307 C407	5171860000	C.,MYLAR 0.015UF/100V J T
C308 C408	5260220750	C.,ELEC. 0.22UF 50V M LL
C309 C409	5171876000	C.,MYLAR 0.068UF/100V J T
C310 C410	5171872000	C.,MYLAR 0.047UF/100V J T
C311 C411	5170372000	C.,MYLAR 0.0068UF/100V JT
C312 C412	5171856000	C.,MYLAR 0.01UF/100V J T
C313 C413	5260160750	C.,ELEC. 1UF50V SM T-N
C314 C414	5260162550	C.,ELEC.10UF 16V
C315 C415	5170362000	C.,MYLAR 0.0027UF/100V JT
C316 C416	5172222000	C.,CERAMIC 680PF/50V T
C317 C417	5170368000	C.,MYLAR 0.0047UF/100V JT
C318 C418	5260220950	C.,ELEC. 0.47UF 50V M LL
C319 C419	5260220650	C.,ELEC. 0.15UF 50V M LL
C320 C420	5171860000	C.,MYLAR 0.015UF/100V J T
C321 C421	5260220750	C.,ELEC. 0.22UF 50V M LL

MAIN PCB ASSY (R-888X)

REF.NO.	PARTS NO.	DESCRIPTION
C322 C422	5171876000	C.,MYLAR 0.068UF/100V J T
C323 C423	5171872000	C.,MYLAR 0.047UF/100V J T
C324 C424	5170372000	C.,MYLAR 0.0068UF/100V JT
C325 C425	5171856000	C.,MYLAR 0.01UF/100V J T
C326 C426	5260162550	C.,ELEC.10UF 16V
C701	5173433000	C.,CERAMIC 0.010UF 50V Z
C702	5260162550	C.,ELEC.10UF 16V
C703	5173433000	C.,CERAMIC 0.010UF 50V Z
C704	5260162550	C.,ELEC.10UF 16V
C705	5260160750	C.,ELEC. 1UF50V SM T-N
C706	5260160750	C.,ELEC. 1UF50V SM T-N
C707	5260220750	C.,ELEC. 0.22UF 50V M LL
C708	5260160750	C.,ELEC. 1UF50V SM T-N
C709	5260160750	C.,ELEC. 1UF50V SM T-N
C710	5260160750	C.,ELEC. 1UF50V SM T-N
C711	5260162550	C.,ELEC.10UF 16V
C712	5260162550	C.,ELEC.10UF 16V
C713	5170364000	C.,MYLAR 0.0033UF/100V JT
C714	5171858000	C.,MYLAR 0.012UF/100V J T
C715	5171856000	C.,MYLAR 0.01UF/100V J T
C716	5171858000	C.,MYLAR 0.012UF/100V J T
C717	5171856000	C.,MYLAR 0.01UF/100V J T
C718	5170360000	C.,MYLAR 0.0022UF/100V JT
C719	5260160750	C.,ELEC. 1UF50V SM T-N
C720	5260066550	C.,ELEC. 4.7UF 35V M SMBP
C801	5173088000	C.,ELEC. 2200UF 16V (SM)
C802	5173088000	C.,ELEC. 2200UF 16V (SM)
C803	5260165952	C.,ELEC.100UF/10V M USM
C804	5260165952	C.,ELEC.100UF/10V M USM
C805	5173433000	C.,CERAMIC 0.010UF 50V Z
C806	5173433000	C.,CERAMIC 0.010UF 50V Z
C807	5173089000	C.,ELEC.2200UF 25V SM
C808	5260165252	C.,ELEC.47UF/25V M USM VT
C809	⚠ 5262009100	C.,ELEC. 6800UF 25V(VBSN)
C810	5260165952	C.,ELEC.100UF/10V M USM
C811	5260220950	C.,ELEC. 0.47UF 50V M LL
C812	⚠ 5262009100	C.,ELEC. 6800UF 25V(VBSN)
C813	5260162550	C.,ELEC.10UF 16V
D101 D201	5224015020	DIODE,1SS133T-77
D102 D202	5224015020	DIODE,1SS133T-77
D103 D203	5224015020	DIODE,1SS133T-77
D104 D204	5224015020	DIODE,1SS133T-77
D105 D205	5224015020	DIODE,1SS133T-77
D106 D206	5224015020	DIODE,1SS133T-77
D701 D702	5224015020	DIODE,1SS133T-77
D703	5224015020	DIODE,1SS133T-77
D704 D705	5224015020	DIODE,1SS133T-77
D706 D707	5224015020	DIODE,1SS133T-77
D708 D709	5224015020	DIODE,1SS133T-77
D710 D711	5224015020	DIODE,1SS133T-77
D712 D713	5224015020	DIODE,1SS133T-77
D714 D715	5224015020	DIODE,1SS133T-77
D716 D717	5224015020	DIODE,1SS133T-77
D718 D719	5224015020	DIODE,1SS133T-77
D801	5228010300	SILICON STACK,DF02M

Parts marked with *require longer delivery time.

MAIN PCB ASSY (R-888X)

REF.NO.	PARTS NO.	DESCRIPTION
R159 R259	5240031520	R.,CARBON R20 24K J
R160 R260	5240030820	R.,CARBON R20 12K J
R301 R401	5240033020	R.,CARBON 100K R10 T.
R302 R402	5240027320	R.,CARBON R20 430 J
R303 R403	5240029620	R.,CARBON R20 3.9K J
R304 R404	5240029420	R.,CARBON R20 3.3K J
R305 R405	5240031320	R.,CARBON R20 20K J
R306 R406	5240030220	R.,CARBON R20 6.8K J
R307 R407	5240027820	R.,CARBON R20 680 J
R308 R408	5240033020	R.,CARBON 100K R10 T.
R309 R409	5240029420	R.,CARBON R20 3.3K J
R310 R410	5240030020	R.,CARBON R20 5.6K J
R311 R411	5240027320	R.,CARBON R20 430 J
R312 R412	5240029620	R.,CARBON R20 3.9K J
R313 R413	5240029420	R.,CARBON R20 3.3K J
R314 R414	5240031320	R.,CARBON R20 20K J
R315 R415	5240030220	R.,CARBON R20 6.8K J
R316 R416	5240027820	R.,CARBON R20 680 J
R317 R417	5240033020	R.,CARBON 100K R10 T.
R318 R418	5240030020	R.,CARBON R20 5.6K J
R701	5240026620	R.,CARBON R20 220 J
R702	5240026620	R.,CARBON R20 220 J
R703	5240033020	R.,CARBON 100K R10 T.
R704	5240033020	R.,CARBON 100K R10 T.
R705	5240033020	R.,CARBON 100K R10 T.
R706	5240030620	R.,CARBON R10 10K
R707	5240030820	R.,CARBON R20 12K J
R708	5240036220	R.,CARBON R20 2.2M J
R709	5240034620	R.,CARBON R20 470K J
R710	5240030620	R.,CARBON R10 10K
R711	5240034820	R.,CARBON R20 560K J
R712	5240030620	R.,CARBON R10 10K
R713	5240032220	R.,CARBON R20 47K J
R714	5240032220	R.,CARBON R20 47K J
R715	5240033020	R.,CARBON 100K R10 T.
R716	5240032220	R.,CARBON R20 47K J
R718	5240032220	R.,CARBON R20 47K J
R719	5240022820	R.,CARBON R20 5.6 J
R720	5240030020	R.,CARBON R20 5.6K J
R721	5240032220	R.,CARBON R20 47K J
R722	5240032220	R.,CARBON R20 47K J
R723	5240032220	R.,CARBON R20 47K J
R724	5240033020	R.,CARBON 100K R10 T.
R725	5240030020	R.,CARBON R20 5.6K J
R726	5240032220	R.,CARBON R20 47K J
R727	5240031020	R.,CARBON R10 15K
R728	5240030620	R.,CARBON R10 10K
R729	5240024620	R.,CARBON R20 33 J
R730	5240030620	R.,CARBON R10 10K
R731	5240032620	R.,CARBON R20 68K J
R732	5240032420	R.,CARBON R20 56K J
R733	5240032220	R.,CARBON R20 47K J
R736	5240027820	R.,CARBON R20 680 J
R737	5240028220	R.,CARBON R20 1.0K J
R801	⚠5241182910	R.,INCOMBUSSIBLE 1W 4.7 J

MAIN PCB ASSY (R-888X)

REF.NO.	PARTS NO.	DESCRIPTION
R802	5240030620	R.,CARBON R10 10K
R803	5240028420	R.,CARBON R20 1.2K J
R804	5240028420	R.,CARBON R20 1.2K J
R805	5240025020	R.,CARBON R20 47 J
R806	5240030620	R.,CARBON R10 10K
R807	5240032220	R.,CARBON R20 47K J
R808	5240030620	R.,CARBON R10 10K
T101 T201	5320037700	TRANSFORMER,BIAS
TP1 -TP11	5544750000	PIN,CONBINATION
TP12	5544750000	PIN,CONBINATION
U101 U201	5292805700	FILTER,LOWPASS 100KHZ
U102 U202	5232252020	SI.TR.2SC3400
U103 U203	5220427400	IC,M5201L
U301 U401	5292806000	FILTER,LOWPASS;19.8KHZ
U302 U402	5292805600	FILTER,LOWPASS MPX
U303 U403	5292806000	FILTER,LOWPASS;19.8KHZ
U701	5220426900	IC,M5220P
U702	5220427000	IC,CX20187
U703	5232252020	SI.TR.2SC3400
U704	5220426200	IC.,M51143AL
U705	5220416200	IC,M5218L
U706	5220021600	IC,M4066BP
U707	5220427000	IC,CX20187
U708	5220021600	IC,M4066BP
U709	5220416200	IC,M5218L
U710	5220416200	IC,M5218L
U711	5220039100	IC,AN6256
U712	5292205000	OSC MODULE
U713	5220416200	IC,M5218L
U714	5220021600	IC,M4066BP
U715	5232252020	SI.TR.2SC3400
U716	5220021600	IC,M4066BP
U717	5232252400	TR. ARRAY,M54565P
U718	5232251620	SI.TR.2SA1346
U719	5232251620	SI.TR.2SA1346
U720	5232251620	SI.TR.2SA1346
U721	5232251620	SI.TR.2SA1346
U722	5232251620	SI.TR.2SA1346
U723	5232251620	SI.TR.2SA1346
U724	5232251620	SI.TR.2SA1346
U725	5232251620	SI.TR.2SA1346
U726	5220020600	IC,M50781SP
U727	5232252020	SI.TR.2SC3400
U729	5232252020	SI.TR.2SC3400
U801	5220427600	IC,AN78N07
U802	5220427700	IC,AN79N07
U803	5220426500	IC,TA78010AP
U804	5220423500	IC,L78L06
U805	5232251620	SI.TR.2SA1346

MAIN PCB ASSY (R-888X)

REF.NO.	PARTS NO.	DESCRIPTION
D802	5228008700	SILICON STACK,2W02
D803 D804	5224013210	DIODE,DS135D FA4 FF
D805 D806	5224013210	DIODE,DS135D FA4 FF
D807-D809	5224015020	DIODE,1SS133T-77
F801	⚠5142184000	FUSE,250V/0.4A [E,UK,A]
F802	⚠5142184000	FUSE,250V/0.4A [E,UK,A]
F803	⚠5142190000	FUSE,2.5A-250V [E,UK,A]
L101 L201	5286008700	COIL,CHOKE 8.2MH
L102 L202	5286001000	COIL,CHOKE 3.1MH
L701 L702	5286006700	COIL,CHOKE 1.2MH
P701	5336221100	CONN.PLUG,5245-11A
P702	5336204300	CONN.PLUG,5483-03A RED
P703	5336202800	CONN.PLUG,5483-08A WHT
P704	5336204300	CONN.PLUG,5483-03A RED
P705	5336202600	CONN.PLUG,5483-06A WHT
P706	5336202300	CONN.PLUG,5483-03A WHT
P707	5336204300	CONN.PLUG,5483-03A RED
P708	5336202400	CONN.PLUG,5483-04A WHT
P709	5336204300	CONN.PLUG,5483-03A RED
P710	5336202300	CONN.PLUG,5483-03A WHT
P711	5336204300	CONN.PLUG,5483-03A RED
P712	5336204200	CONN.PLUG,5483-02A RED
P713	5336202300	CONN.PLUG,5483-03A WHT
P714	5336203000	CONN.PLUG,5483-10A WHT
P801	5336202600	CONN.PLUG,5483-06A WHT
Q101 Q201	5230781120	TR 2SC1740SLN
Q102 Q202	5231761400	SI.TR.2SD1302S
Q103 Q203	5231761300	SI.TR.2SD734F
Q104 Q204	5230781120	TR.2SC1740SLN
Q105 Q205	5230781120	TR.2SC1740SLN
Q106 Q206	5230781120	TR.2SC1740SLN
Q107 Q207	5230781120	TR.2SC1740SLN
Q108 Q208	5230781120	TR.2SC1740SLN
Q109 Q209	5230781120	TR.2SC1740SLN
Q301 Q401	5230781120	TR.2SC1740SLN
Q701 Q702	5231761400	SI.TR.2SD1302S 6.25 200
Q801	5230781120	TR.2SC1740SLN
Q802	5230781120	TR.2SC1740SLN
Q803	5230781120	TR.2SC1740SLN
R 11 R 21	5280021700	R.,TRIMMER 47KB H.
R 12 R 22	5280021300	R.,TRIMMER 10KB H.
R 13 R 23	5280021700	R.,TRIMMER 47KB H.
R 14 R 24	5280021700	R.,TRIMMER 47KB H.
R 15 R 25	5280021300	R.,TRIMMER 10KB H.
R 16 R 26	5280021700	R.,TRIMMER 47KB H.
R 17 R 27	5280021700	R.,TRIMMER 47KB H.
R 18 R 28	5280020900	R.,TRIMMER 2.2KB H.
R 19 R 29	5280020900	R.,TRIMMER 2.2KB H.
R 31 R 41	5280020900	R.,TRIMMER 2.2KB H.
R 71	5280021700	R.,TRIMMER 47KB H.
R 72	5280020900	R.,TRIMMER 2.2KB H.
R 73	5280021700	R.,TRIMMER 47KB H.
R101 R201	5240032220	R.,CARBON R20 47K J
R102 R202	5240025820	R.,CARBON 100 OHM R10 T.
R103 R203	5240030620	R.,CARBON R10 10K

MAIN PCB ASSY (R-888X)

REF.NO.	PARTS NO.	DESCRIPTION
R104 R204	5240034020	R.,CARBON R20 270K J
R105 R205	5240029220	R.,CARBON R20 2.7K J
R106 R206	5240029220	R.,CARBON R20 2.7K J
R107 R207	5240030020	R.,CARBON R20 5.6K J
R108 R208	5240031420	R.,CARBON R10 22K
R109 R209	5240033020	R.,CARBON 100K R10 T.
R110 R210	5240028220	R.,CARBON R20 1.0K J
R111 R211	5240028220	R.,CARBON R20 1.0K J
R112 R212	5240031820	R.,CARBON R20 33K J
R113 R213	5240030020	R.,CARBON R20 5.6K J
R114 R214	5240028220	R.,CARBON R20 1.0K J
R115 R215	5240033020	R.,CARBON 100K R10 T.
R116 R216	5240030020	R.,CARBON R20 5.6K J
R117 R217	5240031420	R.,CARBON R10 22K
R118 R218	5240030020	R.,CARBON R20 5.6K J
R119 R219	5240030020	R.,CARBON R20 5.6K J
R120 R220	5240030620	R.,CARBON R10 10K
R121 R221	5240025820	R.,CARBON 100 OHM R10 T.
R122 R222	5240030220	R.,CARBON R20 6.8K J
R123 R223	5240031020	R.,CARBON R10 15K
R124 R224	5240032220	R.,CARBON R20 47K J
R125 R225	5240029820	R.,CARBON R20 4.7K J
R126 R226	5240025820	R.,CARBON 100 OHM R10 T.
R127 R227	5240028220	R..CARBON R20 1.0K J
R128 R228	5240028220	R.,CARBON R20 1.0K J
R129 R229	5240028220	R.,CARBON R20 1.0K J
R130 R230	5240028220	R.,CARBON R20 1.0K J
R131 R231	5240030620	R.,CARBON R10 10K
R132 R232	5240029020	R.,CARBON R10 2.2K
R133 R233	5240029020	R.,CARBON R10 2.2K
R134 R234	5240026220	R.,CARBON R20 150 J
R135 R235	5240033020	R.,CARBON 100K R10 T.
R136 R236	5240031320	R.,CARBON R20 20K J
R137 R237	5240029020	R.,CARBON R10 2.2K
R138 R238	5240033020	R.,CARBON 100K R10 T.
R139 R239	5240031620	R.,CARBON R20 27K J
R140 R240	5240030020	R.,CARBON R20 5.6K J
R141 R241	5240030020	R.,CARBON R20 5.6K J
R142 R242	5240023420	R.,CARBON 10 OHM
R143 R243	5240029220	R.,CARBON R20 2.7K J
R144 R244	5240030620	R.,CARBON R10 10K
R145 R245	5240030620	R.,CARBON R10 10K
R146 R246	5240030620	R.,CARBON R10 10K
R147 R247	5240030620	R.,CARBON R10 10K
R148 R248	5240030620	R.,CARBON R10 10K
R149 R249	5240032220	R.,CARBON R20 47K J
R150 R250	5240031420	R.,CARBON R10 22K
R151 R251	5240030620	R.,CARBON R10 10K
R152 R252	5240030020	R.,CARBON R20 5.6K J
R153 R253	5240030620	R.,CARBON R10 10K
R154 R254	5240030620	R.,CARBON R10 10K
R155 R255	5240030620	R.,CARBON R10 10K
R156 R256	5240030620	R.,CARBON R10 10K
R157 R257	5240033020	R.,CARBON 100K R10 T.
R158 R258	5240032220	R.,CARBON R20 47K J

MAIN PCB ASSY (V-850X)

REF.NO.	PARTS NO.	DESCRIPTION
D803 D804	5224013210	DIODE,DS135D FA4 FF
D805 D806	5224013210	DIODE,DS135D FA4 FF
D807-D809	5224015020	DIODE,1SS133T-77
F801	⚠5142184000	FUSE,250V/0.4A [E,UK,A]
F802	⚠5142184000	FUSE,250V/0.4A [E,UK,A]
F803	⚠5142190000	FUSE,2.5A-250V [E,UK,A]
L101 L201	5286008700	COIL,CHOKE 8.2MH
L102 L202	5286001000	COIL,CHOKE 3.1MH
L701 L702	5286006700	COIL,CHOKE 1.2MH
L703	5286024400	COIL,VARIABLE 600UH
P701	5336221100	CONN.PLUG,5245-11A
P702	5336204600	CONN.PLUG,5483-06A RED
P703	5336202800	CONN.PLUG,5483-08A WHT
P704	5336204300	CONN.PLUG,5483-03A RED
P705	5336202600	CONN.PLUG,5483-06A WHT
P706	5336202300	CONN.PLUG,5483-03A WHT
P707	5336204300	CONN.PLUG,5483-03A RED
P708	5336202400	CONN.PLUG,5483-04A WHT
P709	5336204300	CONN.PLUG,5483-03A RED
P710	5336202300	CONN.PLUG,5483-03A WHT
P711	5336204600	CONN.PLUG,5483-06A RED
P712	5336204300	CONN.PLUG,5483-03A RED
P713	5336202300	CONN.PLUG,5483-03A WHT
P714	5336203000	CONN.PLUG,5483-10A WHT
P801	5336202600	CONN.PLUG,5483-06A WHT
Q101 Q201	5230781120	TR 2SC1740SLN
Q102 Q202	5231761400	SI.TR.2SD1302S
Q103 Q203	5231761300	SI.TR.2SD734F
Q104 Q204	5230781120	TR 2SC1740SLN
Q105 Q205	5230781120	TR 2SC1740SLN
Q106 Q206	5230781120	TR 2SC1740SLN
Q107 Q207	5230781120	TR 2SC1740SLN
Q108 Q208	5230781120	TR 2SC1740SLN
Q109 Q209	5230781120	TR 2SC1740SLN
Q301 Q401	5230781120	TR 2SC1740SLN
Q701 Q702	5231761400	SI.TR.2SD1302S
Q801	5230781120	TR 2SC1740SLN
Q802	5230781120	TR 2SC1740SLN
Q803	5230781120	TR 2SC1740SLN
R 11 R 21	5280021700	R.,TRIMMER 47KB H.
R 12 R 22	5280021300	R.,TRIMMER 10KB H.
R 13 R 23	5280021700	R.,TRIMMER 47KB H.
R 14 R 24	5280021700	R.,TRIMMER 47KB H.
R 15 R 25	5280021300	R.,TRIMMER 10KB H.
R 16 R 26	5280021700	R.,TRIMMER 47KB H.
R 17 R 27	5280021700	R.,TRIMMER 47KB H.
R 18 R 28	5280020900	R.,TRIMMER 2.2KB H.
R 19 R 29	5280020900	R.,TRIMMER 2.2KB H.
R 31 R 41	5280020900	R.,TRIMMER 2.2KB H.
R 71	5280021700	R.,TRIMMER 47KB H.
R 72	5280020900	R.,TRIMMER 2.2KB H.
R101 R201	5240032220	R.,CARBON R20 47K J
R102 R202	5240025820	R.,CARBON 100 OHM R10 T.
R103 R203	5240030620	R.,CARBON R10 10K
R104 R204	5240034020	R.,CARBON R20 270K J

MAIN PCB ASSY (V-850X)

REF.NO.	PARTS NO.	DESCRIPTION
R105 R205	5240029220	R.,CARBON R20 2.7K J
R106 R206	5240029220	R.,CARBON R20 2.7K J
R107 R207	5240030020	R.,CARBON R20 5.6K J
R108 R208	5240031420	R.,CARBON R10 22K
R109 R209	5240033020	R.,CARBON 100K R10 T.
R110 R210	5240028220	R.,CARBON R20 1.0K J
R111 R211	5240028220	R.,CARBON R20 1.0K J
R112 R212	5240031820	R.,CARBON R20 33K J
R113 R213	5240030020	R.,CARBON R20 5.6K J
R114 R214	5240028220	R.,CARBON R20 1.0K J
R115 R215	5240033020	R.,CARBON 100K R10 T.
R116 R216	5240030020	R.,CARBON R20 5.6K J
R117 R217	5240031420	R.,CARBON R10 22K
R118 R218	5240030020	R.,CARBON R20 5.6K J
R119 R219	5240030020	R.,CARBON R20 5.6K J
R120 R220	5240030620	R.,CARBON R10 10K
R121 R221	5240025820	R.,CARBON 100 OHM R10 T.
R122 R222	5240030220	R.,CARBON R20 6.8K J
R123 R223	5240031020	R.,CARBON R10 15K
R124 R224	5240032220	R.,CARBON R20 47K J
R125 R225	5240029820	R.,CARBON R20 4.7K J
R126 R226	5240025820	R.,CARBON 100 OHM R10 T.
R127 R227	5240028220	R.,CARBON R20 1.0K J
R128 R228	5240028220	R.,CARBON R20 1.0K J
R129 R229	5240028220	R.,CARBON R20 1.0K J
R130 R230	5240028220	R.,CARBON R20 1.0K J
R131 R231	5240030620	R.,CARBON R10 10K
R132 R232	5240029020	R.,CARBON R10 2.2K
R133 R233	5240029020	R.,CARBON R10 2.2K
R134 R234	5240026220	R.,CARBON R20 150 J
R135 R235	5240033020	R.,CARBON 100K R10 T.
R136 R236	5240031320	R.,CARBON R20 20K J
R137 R237	5240029020	R.,CARBON R10 2.2K
R138 R238	5240033020	R.,CARBON 100K R10 T.
R139 R239	5240031620	R.,CARBON R20 27K J
R140 R240	5240030020	R.,CARBON R20 5.6K J
R141 R241	5240030020	R.,CARBON R20 5.6K J
R142 R242	5240023420	R.,CARBON 10 OHM
R143 R243	5240029220	R.,CARBON R20 2.7K J
R144 R244	5240030620	R.,CARBON R10 10K
R145 R245	5240030620	R.,CARBON R10 10K
R146 R246	5240030620	R.,CARBON R10 10K
R147 R247	5240030620	R.,CARBON R10 10K
R148 R248	5240030620	R.,CARBON R10 10K
R149 R249	5240032220	R.,CARBON R20 47K J
R150 R250	5240031420	R.,CARBON R10 22K
R151 R251	5240030620	R.,CARBON R10 10K
R152 R252	5240030020	R.,CARBON R20 5.6K J
R153 R253	5240030620	R.,CARBON R10 10K
R154 R254	5240030620	R.,CARBON R10 10K
R155 R255	5240030620	R.,CARBON R10 10K
R156 R256	5240030620	R.,CARBON R10 10K
R157 R257	5240033020	R.,CARBON 100K R10 T.
R158 R258	5240032220	R.,CARBON R20 47K J
R159 R259	5240031520	R.,CARBON R20 24K J

MAIN PCB ASSY (V-850X)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200182720	MAIN PCB ASSY [J,US,C,GE]
	*5200182730	MAIN PCB ASSY [E,UK,A]
	*5210182700	MAIN PCB
	*5555590000	PLATE.PCB EARTH;A
	*5330509600	JACK,4P
	*5555951001	HEATSINK
	*5332015800	HOLDER,FUSE;PCB [E,UK,A]
C101 C201	5263106620	C.,POLYPRO. 330PF 100V J
C102 C202	5172212000	C.,CERAMIC 100PF/50V T
C103 C203	5171858000	C.,MYLAR 0.012UF/100V J T
C104 C204	5172216000	C.,CERAMIC 220PF/50V T
C105 C205	5260165952	C.,ELEC.100UF/10V M USM
C106 C206	5260162550	C.,ELEC.10UF 16V
C107 C207	5171862000	C.,MYLAR 0.018UF/100V J T
C108 C208	5170368000	C.,MYLAR 0.0047UF/100V JT
C109 C209	5263106820	C.,POLYPLO. 390PF 100V J
C110 C210	5260160750	C.,ELEC. 1UF50V SM T-N
C111 C211	5260162550	C.,ELEC.10UF 16V
C112 C212	5170364000	C.,MYLAR 0.0033UF/100V JT
C113 C213	5170370000	C.,MYLAR 0.0056UF/100V JT
C114 C214	5170372000	C.,MYLAR 0.0068UF/100V JT
C115 C215	5170362000	C.,MYLAR 0.0027UF/100V JT
C116 C216	5170368000	C.,MYLAR 0.0047UF/100V JT
C117 C217	5260220750	C.,ELEC.0.22UF 50V M LL
C118 C218	5260066550	C.,ELEC.4.7UF 35V M SMBP
C119 C219	5263107620	C.,POLYPLO. 820PF 100V J
C120 C220	5260160750	C.,ELEC. 1UF50V SM T-N
C121 C221	5260160750	C.,ELEC. 1UF50V SM T-N
C122 C222	5260160750	C.,ELEC. 1UF50V SM T-N
C123 C223	5260160750	C.,ELEC. 1UF50V SM T-N
C124 C224	5172212000	C.,CERAMIC 100PF/50V T
C125 C225	5263102920	C.,POLYPLO.0.010UF 100V J
C301 C401	5260160750	C.,ELEC. 1UF50V SM T-N
C302 C402	5260162550	C.,ELEC.10UF 16V
C303 C403	5172222000	C.,CERAMIC 680PF/50V T
C304 C404	5170368000	C.,MYLAR 0.0047UF/100V JT
C305 C405	5260220950	C.,ELEC.0.47UF 50V M LL
C306 C406	5260220650	C.,ELEC.0.15UF 50V M LL
C307 C407	5171860000	C.,MYLAR 0.015UF/100V J T
C308 C408	5260220750	C.,ELEC. 0.22UF 50V M LL
C309 C409	5171876000	C.,MYLAR 0.068UF/100V J T
C310 C410	5171872000	C.,MYLAR 0.047UF/100V J T
C311 C411	5170372000	C.,MYLAR 0.0068UF/100V JT
C312 C412	5171856000	C.,MYLAR 0.01UF/100V J T
C313 C413	5260160750	C.,ELEC. 1UF50V SM T-N
C314 C414	5260162550	C.,ELEC.10UF 16V
C316 C416	5172222000	C.,CERAMIC 680PF/50V T
C315 C415	5170362000	C.,MYLAR 0.0027UF/100V JT
C317 C417	5170368000	C.,MYLAR 0.0047UF/100V JT
C318 C418	5260220950	C.,ELEC. 0.47UF 50V M LL
C319 C419	5260220650	C.,ELEC. 0.15UF 50V M LL
C320 C420	5171860000	C.,MYLAR 0.015UF/100V J T
C321 C421	5260220750	C.,ELEC. 0.22UF 50V M LL
C322 C422	5171876000	C.,MYLAR 0.068UF/100V J T
C323 C423	5171872000	C.,MYLAR 0.047UF/100V J T
C324 C424	5170372000	C.,MYLAR 0.0068UF/100V JT
C325 C425	5171856000	C.,MYLAR 0.01UF/100V J T
C326 C426	5260162550	C.,ELEC.10UF 16V
C701	5173433000	C.,CERAMIC 0.010UF 50V Z
C702	5260162550	C.,ELEC.10UF 16V
C703	5173433000	C.,CERAMIC 0.010UF 50V Z
C704	5260162550	C.,ELEC.10UF 16V
C705	5260160750	C.,ELEC. 1UF50V SM T-N
C706	5260160750	C.,ELEC. 1UF50V SM T-N
C707	5260220750	C.,ELEC. 0.22UF 50V M LL
C708	5260160750	C.,ELEC. 1UF50V SM T-N
C709	5260160750	C.,ELEC. 1UF50V SM T-N
C710	5260160750	C.,ELEC. 1UF50V SM T-N
C711	5260162550	C.,ELEC.10UF 16V
C712	5260162550	C.,ELEC.10UF 16V
C713	5170364000	C.,MYLAR 0.0033UF/100V JT
C714	5171858000	C.,MYLAR 0.012UF/100V J T
C715	5171856000	C.,MYLAR 0.01UF/100V J T
C716	5171858000	C.,MYLAR 0.012UF/100V J T
C717	5171856000	C.,MYLAR 0.01UF/100V J T
C718	5170360000	C.,MYLAR 0.0022UF/100V JT
C719	5260160750	C.,ELEC. 1UF50V SM T-N
C720	5260066550	C.,ELEC. 4.7UF 35V M SMBP
C801	5173088000	C.,ELEC. 2200UF 16V (SM)
C802	5173088000	C.,ELEC. 2200UF 16V (SM)
C803	5260165952	C.,ELEC. 100UF/10V M USM
C804	5260165952	C.,ELEC. 100UF/10V M USM
C805	5173433000	C.,CRAMIC 0.010UF 50V Z
C806	5173433000	C.,CERMIC 0.010UF 50V Z
C807	5173089000	C.,ELEC. 2200UF 25V SM
C808	5260165252	C.,ELEC.47UF/25V M USM VT
C809	5173089000	C.,ELEC. 2200UF 25V SM
C810	5260165952	C.,ELEC. 100UF/10V M USM
C811	5260220950	C.,ELEC. 0.47UF 50V M LL
C812	5262009100	C.,ELEC. 6800UF 25V(VBSN)
C813	5260162550	C.,ELEC.10UF 16V
C814	5173435000	C.,CERAMIC 0.047UF 50V Z
D101 D201	5224015020	DIODE,1SS133T-77
D102 D202	5224015020	DIODE,1SS133T-77
D103 D203	5224015020	DIODE,1SS133T-77
D104 D204	5224015020	DIODE,1SS133T-77
D105 D205	5224015020	DIODE,1SS133T-77
D106 D206	5224015020	DIODE,1SS133T-77
D701 D702	5224015020	DIODE,1SS133T-77
D703 D719	5224015020	DIODE,1SS133T-77
D704 D705	5224015020	DIODE,1SS133T-77
D706 D707	5224015020	DIODE,1SS133T-77
D708 D709	5224015020	DIODE,1SS133T-77
D710 D711	5224015020	DIODE,1SS133T-77
D712 D713	5224015020	DIODE,1SS133T-77
D714 D715	5224015020	DIODE,1SS133T-77
D716 D717	5224015020	DIODE,1SS133T-77
D718	5224015020	DIODE,1SS133T-77
D801	5228010300	SILICON STACK,DF02M
D802	5228008700	SILICON STACK,2W02

Parts marked with *require longer delivery time.

MAIN PCB ASSY (V-750)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200182740	MAIN PCB ASSY [J,US,C,GE]
	*5200182750	MAIN PCB ASSY [E,UK,A]
	*5210182700	MAIN PCB
	*5555590000	PLATE.PCB EARTH;A
	*5330509600	JACK,4P
	*5555951001	HEAT SINK
	*5783003008	SCREW,PAN S TITE; M3X8
	*5783073008	SCREW,PAN CUP S TITE;M3X8
	*5332015800	HOLDER,FUSE;PCB [E,UK,A]
C101 C201	5263106620	C.,POLYPRO. 330PF 100V J
C102 C202	5172212000	C.,CERAMIC 100PF/50V T
C103 C203	5171858000	C.,MYLAR 0.012UF/100V J T
C104 C204	5172216000	C.,CERAMIC 220PF/50V T
C105 C205	5260165952	C.,ELEC.100UF/10V M USM
C106 C206	5260162550	C.,ELEC.10UF 16V
C107 C207	5171862000	C.,MYLAR 0.018UF/100V J T
C108 C208	5170368000	C.,MYLAR 0.0047UF/100V JT
C109 C209	5263106820	C.,POLYPRO. 390PF 100V J
C110 C210	5260160750	C.,ELEC. 1UF50V SM T-N
C111 C211	5260162550	C.,ELEC.10UF 16V
C112 C212	5170364000	C.,MYLAR 0.0033UF/100V JT
C113 C213	5170370000	C.,MYLAR 0.0056UF/100V JT
C114 C214	5170372000	C.,MYLAR 0.0068UF/100V JT
C115 C215	5170362000	C.,MYLAR 0.0027UF/100V JT
C116 C216	5170368000	C.,MYLAR 0.0047UF/100V JT
C117 C217	5260220750	C.,ELEC. 0.22UF 50V M LL
C118 C218	5260066550	C.,ELEC. 4.7UF 35V M SMBP
C119 C219	5263107620	C.,POLYPRO. 820PF 100V J
C120	5260160750	C.,ELEC. 1UF50V SM T-N
C121	5260160750	C.,ELEC. 1UF50V SM T-N
C301 C401	5260160750	C.,ELEC. 1UF50V SM T-N
C302 C402	5260162550	C.,ELEC.10UF 16V
C303 C403	5172222000	C.,CERAMIC 680PF/50V T
C304 C404	5170368000	C.,MYLAR 0.0047UF/100V JT
C305 C405	5260220950	C.,ELEC. 0.47UF 50V M LL
C306 C406	5260220650	C.,ELEC. 0.15UF 50V M LL
C307 C407	5171860000	C.,MYLAR 0.015UF/100V J T
C308 C408	5260220750	C.,ELEC. 0.22UF 50V M LL
C309 C409	5171876000	C.,MYLAR 0.068UF/100V J T
C310 C410	5171872000	C.,MYLAR 0.047UF/100V J T
C311 C411	5170372000	C.,MYLAR 0.0068UF/100V JT
C312 C412	5171856000	C.,MYLAR 0.01UF/100V J T
C313 C413	5260160750	C.,ELEC. 1UF50V SM T-N
C314 C414	5260162550	C.,ELEC.10UF 16V
C315 C415	5170362000	C.,MYLAR 0.0027UF/100V JT
C316 C416	5172222000	C.,CERAMIC 680PF/50V T
C317 C417	5170368000	C.,MYLAR 0.0047UF/100V JT
C318 C418	5260220950	C.,ELEC. 0.47UF 50V M LL
C319 C419	5260220650	C.,ELEC. 0.15UF 50V M LL
C320 C420	5171860000	C.,MYLAR 0.015UF/100V J T
C321 C421	5260220750	C.,ELEC. 0.22UF 50V M LL
C322 C422	5171876000	C.,MYLAR 0.068UF/100V J T
C323 C423	5171872000	C.,MYLAR 0.047UF/100V J T
C324 C424	5170372000	C.,MYLAR 0.0068UF/100V JT
C325 C425	5171856000	C.,MYLAR 0.01UF/100V J T

MAIN PCB ASSY (V-750)

REF.NO.	PARTS NO.	DESCRIPTION
C326 C426	5260162550	C.,ELEC.10UF 16V
C701	5173433000	C.,CERAMIC 0.010UF 50V Z
C702	5260162550	C.,ELEC.10UF 16V
C703	5173433000	C.,CERAMIC 0.010UF 50V Z
C704	5260162550	C.,ELEC.10UF 16V
C705	5260160750	C.,ELEC. 1UF50V SM T-N
C706	5260160750	C.,ELEC. 1UF50V SM T-N
C707	5260220750	C.,ELEC. 0.22UF 50V M LL
C708	5260160750	C.,ELEC. 1UF50V SM T-N
C709	5260160750	C.,ELEC. 1UF50V SM T-N
C710	5260160750	C.,ELEC. 1UF50V SM T-N
C711	5260162550	C.,ELEC.10UF 16V
C712	5260162550	C.,ELEC.10UF 16V
C720	5260066550	C.,ELEC. 4.7UF 35V M SMBP
C801	5173082000	C.,ELEC.1000UF 25V SM
C802	5173082000	C.,ELEC.1000UF 25V SM
C803	5260165952	C.,ELEC.100UF/10V M USM
C804	5260165952	C.,ELEC.100UF/10V M USM
C805	5173433000	C.,CERAMIC 0.010UF 50V Z
C806	5173433000	C.,CERAMIC 0.010UF 50V Z
C807	5173089000	C.,ELEC.2200UF 25V SM
C808	5260165252	C.,ELEC.47UF/25V M USM VT
C809	5173089000	C.,ELEC.2200UF 25V SM
C810	5260165952	C.,ELEC.100UF/10V M USM
C811	5260220950	C.,ELEC. 0.47UF 50V M LL
C812	5262009100	C.,ELEC. 6800UF 25V(VBSN)
C813	5260162550	C.,ELEC.10UF 16V
C814	5173435000	C.,CERAMIC;0.047UF 50V Z
D101 D201	5224015020	DIODE,1SS133T-77
D102	5224015020	DIODE,1SS133T-77
D103	5224015020	DIODE,1SS133T-77
D104	5224015020	DIODE,1SS133T-77
D106 D206	5224015020	DIODE,1SS133T-77
D701 D702	5224015020	DIODE,1SS133T-77
D703 D719	5224015020	DIODE,1SS133T-77
D801	5228010300	SILICON STACK,DF02M
D802	5228008700	SILICON STACK,2W02
D803 D804	5224013210	DIODE,DS135D FA4 FF
D805 D806	5224013210	DIODE,DS135D FA4 FF
D807-D809	5224015020	DIODE,1SS133T-77
F801	⚠5142184000	FUSE,250V/0.4A [E,UK,A]
F802	⚠5142184000	FUSE,250V/0.4A [E,UK,A]
F803	⚠5142190000	FUSE,2.5A-250V [E,UK,A]
L101 L201	5286008700	COIL,CHOKE 8.2MH
L102 L202	5286001000	COIL,CHOKE 3.1MH
L701 L702	5286006700	COIL,CHOKE 1.2MH
P702	5336204600	CONN.PLUG,5483-06A RED
P703	5336202300	CONN.PLUG,5483-03A WHT
P704	5336204300	CONN.PLUG,5483-03A RED
P705	5336202500	CONN.PLUG,5483-05A WHT
P706	5336202300	CONN.PLUG,5483-03A WHT
P707	5336204300	CONN.PLUG,5483-03A RED
P708	5336202200	CONN.PLUG,5483-02A WHT
P709	5336204300	CONN.PLUG,5483-03A RED
P710	5336202300	CONN.PLUG,5483-03A WHT

Parts marked with *require longer delivery time.

MAIN PCB ASSY (V-850X)

REF.NO.	PARTS NO.	DESCRIPTION
R160 R260	5240030820	R.,CARBON R20 12K J
R301 R401	5240033020	R.,CARBON 100K R10 T.
R302 R402	5240027320	R.,CARBON R20 430 J
R303 R403	5240029620	R.,CARBON R20 3.9K J
R304 R404	5240029420	R.,CARBON R20 3.3K J
R305 R405	5240031320	R.,CARBON R20 20K J
R306 R406	5240030220	R.,CARBON R20 6.8K J
R307 R407	5240027820	R.,CARBON R20 680 J
R308 R408	5240033020	R.,CARBON 100K R10 T.
R309 R409	5240029420	R.,CARBON R20 3.3K J
R310 R410	5240030020	R.,CARBON R20 5.6K J
R311 R411	5240027320	R.,CARBON R20 430 J
R312 R412	5240029620	R.,CARBON R20 3.9K J
R313 R413	5240029420	R.,CARBON R20 3.3K J
R314 R414	5240031320	R.,CARBON R20 20K J
R315 R415	5240030220	R.,CARBON R20 6.8K J
R316 R416	5240027820	R.,CARBON R20 680 J
R317 R417	5240033020	R.,CARBON 100K R10 T.
R318 R418	5240030020	R.,CARBON R20 5.6K J
R701	5240026620	R.,CARBON R20 220 J
R702	5240026620	R.,CARBON R20 220 J
R703	5240033020	R.,CARBON 100K R10 T.
R704	5240033020	R.,CARBON 100K R10 T.
R705	5240033020	R.,CARBON 100K R10 T.
R706	5240030620	R.,CARBON R10 10K J
R707	5240030820	R.,CARBON R20 12K J
R708	5240036220	R.,CARBON R20 2.2M J
R709	5240034620	R.,CARBON R20 470K J
R710	5240030620	R.,CARBON R10 10K J
R711	5240034820	R.,CARBON R20 560K J
R713	5240032220	R.,CARBON R20 47K J
R714	5240032220	R.,CARBON R20 47K J
R715	5240033020	R.,CARBON 100K R10 T.
R716	5240032220	R.,CARBON R20 47K J
R718	5240032220	R.,CARBON R20 47K J
R719	5240022820	R.,CARBON R20 5.6 J
R720	5240030020	R.,CARBON R20 5.6K J
R721	5240032220	R.,CARBON R20 47K J
R722	5240032220	R.,CARBON R20 47K J
R723	5240032220	R.,CARBON R20 47K J
R724	5240033020	R.,CARBON 100K R10 T.
R725	5240030020	R.,CARBON R20 5.6K J
R726	5240032220	R.,CARBON R20 47K J
R727	5240031020	R.,CARBON R10 15K
R728	5240030620	R.,CARBON R10 10K
R729	5240024620	R.,CARBON R20 33 J
R730	5240030620	R.,CARBON R10 10K
R731	5240032620	R.,CARBON R20 68K J
R732	5240032420	R.,CARBON R20 56K J
R733	5240032220	R.,CARBON R20 47K J
R734	5240030620	R.,CARBON R10 10K
R736	5240027820	R.,CARBON R20 680 J
R737	5240028220	R.,CARBON R20 1.0K J
R801	⚠5241182910	R.,INCOMBUSSIBLE 1W 4.7 J
R802	5240030620	R.,CARBON R10 10K

MAIN PCB ASSY (V-850X)

REF.NO.	PARTS NO.	DESCRIPTION
R803	5240028420	R.,CARBON R20 1.2K J
R804	5240028420	R.,CARBON R20 1.2K J
R805	5240025020	R.,CARBON R20 47 J
R806	5240030620	R.,CARBON R10 10K
R807	5240032220	R.,CARBON R20 47K J
R808	5240030620	R.,CARBON R10 10K
T101 T201	5320037700	TRANSFOMER,BIAS
TP1 -TP10	5544750000	PIN,CONBINATION
TP12	5544750000	PIN,CONBINATION
U101 U201	5292805700	FILTER,LOWPASS 100KHZ
U102 U202	5232252020	SI.TR.2SC3400
U103 U203	5220427400	IC,M5201L
U301 U401	5292806000	FILTER,LOWPASS;19.8KHZ
U302 U402	5292805600	FILTER,LOWPASS MPX
U303 U403	5292806000	FILTER,LOWPASS 19.8KHZ
U701	5220426900	IC,M5220P
U702	5220427000	IC,CX20187
U703	5232252020	SI.TR.2SC3400
U704	5220426200	IC.,M51143AL
U705	5220416200	IC,M5218L
U706	5220021600	IC,M4066BP
U707	5220427000	IC,CX20187
U708	5220021600	IC,M4066BP
U709	5220416200	IC,M5218L
U710	5220416200	IC,M5218L
U711	5220039100	IC,AN6256
U712	5292204900	OSC MODULE
U713	5220416200	IC,M5218L
U714	5220021600	IC,M4066BP
U715	5232252020	SI.TR.2SC3400
U716	5220021600	IC,M4066BP
U717	5232252400	TR. ARRAY,M54565P
U718	5232251620	SI.TR.2SA1346
U719	5232251620	SI.TR.2SA1346
U720	5232251620	SI.TR.2SA1346
U721	5232251620	SI.TR.2SA1346
U722	5232251620	SI.TR.2SA1346
U723	5232251620	SI.TR.2SA1346
U724	5232251620	SI.TR.2SA1346
U725	5232251620	SI.TR.2SA1346
U726	5220020600	IC,M50781SP
U729	5232252020	SI.TR.2SC3400
U801	5220427600	IC,AN78N07
U802	5220427700	IC,AN79N07
U803	5220426500	IC,TA78010AP
U804	5220423500	IC,L78L06
U805	5232251620	SI.TR.2SA1346

MAIN PCB ASSY (V-750)

REF.NO.	PARTS NO.	DESCRIPTION
U301 U401	5292806000	FILTER,LOW PASS; 19.8KHZ
U302 U402	5292805600	FILTER,LOWPASS MPX
U303 U403	5292806000	FILTER,LOW PASS; 19.8KHZ
U701	5220426900	IC,M5220P
U702	5220427000	IC,CX20187
U703	5232252020	SI.TR.2SC3400
U704	5220426200	IC.,M51143AL
U705	5220416200	IC,M5218L
U706	5220021600	IC,M4066BP
U707	5220427000	IC,CX20187
U708	5220021600	IC,M4066BP
U709	5220416200	IC,M5218L
U710	5220416200	IC,M5218L
U711	5220039100	IC,AN6256
U712	5292204800	OSC MODULE
U719	5232251620	SI.TR.2SA1346
U722	5232251620	SI.TR.2SA1346
U728	5232251620	SI.TR.2SA1346
U729	5232252020	SI.TR.2SC3400
U801	5220427600	IC,AN78N07
U802	5220427700	IC,AN79N07
U803	5220426500	IC,TA78010AP
U804	5220423500	IC,L78L06
U805	5232251620	SI.TR.2SA1346

CONTROL PCB ASSY (R-888X)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200183600	CONTROL PCB ASSY(B)
	*5210183600	CONTROL PCB(B)
	*5544750000	PIN,CONBINATION
C001	5260162050	C.,ELEC. 4.7UF 35V M SM
C002	5260162550	C.,ELEC.10UF 16V
C003	5172216000	C.,CERAMIC 220PF/50V T
C004	5172216000	C.,CERAMIC 220PF/50V T
C005	5260161150	C.,ELEC.2.2UF 50V
C006	5173433000	C.,CERAMIC;0.010UF 50V Z
C007	5173435000	C.,CERAMIC;0.047UF 50V Z
C008	5260162550	C.,ELEC.10UF 16V
C009	5260162550	C.,ELEC.10UF 16V
C010	5260065850	C.,ELEC; 2.2UF 50V M SMBP
C011	5173433000	C.,CERAMIC;0.010UF 50V Z
C012	5263167123	C.,METAL. 0.022UF 50V J
C013	5263167123	C.,METAL. 0.022UF 50V J
CR01	5347000900	CERAMIC OSC KBR-800H
D001	5224015020	DIODE,1SS133T-77
D002	5224575701	DIODE,ZENER; RD11EL2 FR
D003 D004	5224015020	DIODE,1SS133T-77
D005 D006	5224015020	DIODE,1SS133T-77
D007 D008	5224015020	DIODE,1SS133T-77
D009 D029	5224015020	DIODE,1SS133T-77
D010 D011	5225005400	LED,SLP135B (RED)
D012	5224572001	DIODE,ZENER; RD3.3EL2 FR
D013	5224573801	DIODE,ZENER RD6.2EL2 FR
D014 D015	5224015020	DIODE,1SS133T-77
D016 D017	5224015020	DIODE,1SS133T-77
D018 D019	5224015020	DIODE,1SS133T-77
D020 D021	5224015020	DIODE,1SS133T-77
D022 D023	5224015020	DIODE,1SS133T-77
D024 D025	5224015020	DIODE,1SS133T-77
D026 D027	5224015020	DIODE,1SS133T-77
D028	5224013210	DIODE,DS135D FA4 FF
P001	5336202500	CONN.PLUG,5483-05A WHT
P002	5336204600	CONN.PLUG,5483-06A RED
P003	5336204700	CONN.PLUG,5483-07A RED
P004	5336202200	CONN.PLUG,5483-02A WHT
P005	5336206600	CONN.PLUG,5483-06A BLK
P006	5336204400	CONN.PLUG,5483-04A RED
Q001	5230781120	TR.2SC1740SLN
Q002	5230781120	TR.2SC1740SLN
Q003	5230781120	TR.2SC1740SLN
Q004	5230781120	TR.2SC1740SLN
Q005	5230781120	TR.2SC1740SLN
Q006	5230781120	TR.2SC1740SLN
Q007	5230019020	TR.2SA933SLN
Q008	5230781120	TR.2SC1740SLN
Q009	5231761300	SI.TR.2SD734F 0.6 250
Q010 Q011	5231761300	SI.TR.2SD734F 0.6 250
Q012 Q013	5231761300	SI.TR.2SD734F 0.6 250
Q014	5230781120	TR.2SC1740SLN
R001	5240069820	R.,CARBON R20 4.7K G
R002	5240030620	R.,CARBON R10 10K
R003	5240030620	R.,CARBON R10 10K

Parts marked with *require longer delivery time.

MAIN PCB ASSY (V-750)

REF.NO.	PARTS NO.	DESCRIPTION
P711	5336204600	CONN.PLUG,5483-06A RED
P712	5336204300	CONN.PLUG,5483-03A RED
P713	5336202300	CONN.PLUG,5483-03A WHT
P715	5336204500	CONN.PLUG,5483-05A RED
P801	5336202600	CONN.PLUG,5483-06A WHT
Q101 Q201	5230781120	TR 2SC1740SLN
Q102 Q202	5231761400	SI.TR.2SD1302S
Q103	5231761300	SI.TR.2SD734F
Q104	5230781120	TR 2SC1740SLN
Q301 Q401	5230781120	TR 2SC1740SLN
Q702	5231761400	SI.TR.2SD1302S
Q801	5230781120	TR 2SC1740SLN
Q802	5230781120	TR 2SC1740SLN
Q803	5230781120	TR 2SC1740SLN
R 11 R 21	5280021700	R.,TRIMMER 47KB H.
R 12 R 22	5280021300	R.,TRIMMER 10KB H.
R 13 R 23	5280021700	R.,TRIMMER 47KB H.
R 14 R 24	5280021700	R.,TRIMMER 47KB H.
R 15 R 25	5280021300	R.,TRIMMER 10KB H.
R 16 R 26	5280021700	R.,TRIMMER 47KB H.
R 17 R 27	5280021700	R.,TRIMMER 47KB H.
R 19	5280021300	R.,TRIMMER 10KB H.
R 31	5280021300	R.,TRIMMER 10KB H.
R 32 R 42	5280021700	R.,TRIMMER 47KB H.
R101 R201	5240032220	R.,CARBON R20 47K J
R102 R202	5240025820	R.,CARBON 100 OHM R10 T.
R103 R203	5240030620	R.,CARBON R10 10K
R104 R204	5240034020	R.,CARBON R20 270K J
R105 R205	5240029220	R.,CARBON R20 2.7K J
R106 R206	5240029220	R.,CARBON R20 2.7K J
R107 R207	5240030020	R.,CARBON R20 5.6K J
R108 R208	5240031420	R.,CARBON R10 22K
R109 R209	5240033020	R.,CARBON 100K R10 T.
R110 R210	5240028220	R.,CARBON R20 1.0K J
R111 R211	5240028220	R.,CARBON R20 1.0K J
R112 R212	5240032420	R.,CARBON R20 56K J
R113 R213	5240030020	R.,CARBON R20 5.6K J
R114 R214	5240028220	R.,CARBON R20 1.0K J
R115 R215	5240032220	R.,CARBON R20 47K J
R116 R216	5240030020	R.,CARBON R20 5.6K J
R117 R217	5240031420	R.,CARBON R10 22K
R118 R218	5240030020	R.,CARBON R20 5.6K J
R119 R219	5240030020	R.,CARBON R20 5.6K J
R120 R220	5240030620	R.,CARBON R10 10K
R121 R221	5240025820	R.,CARBON 100 OHM R10 T.
R122 R222	5240030220	R.,CARBON R20 6.8K J
R123 R223	5240031020	R.,CARBON R10 15K
R124 R224	5240032220	R.,CARBON R20 47K J
R125 R225	5240029820	R.,CARBON R20 4.7K J
R126 R226	5240025820	R.,CARBON 100 OHM R10 T.
R127 R227	5240028220	R.,CARBON R20 1.0K J
R128 R228	5240028220	R.,CARBON R20 1.0K J
R129 R229	5240028220	R.,CARBON R20 1.0K J
R130 R230	5240028220	R.,CARBON R20 1.0K J
R131	5240030620	R.,CARBON R10 10K

MAIN PCB ASSY (V-750)

REF.NO.	PARTS NO.	DESCRIPTION
R132	5240029420	R.,CARBON R20 3.3K J
R133	5240028620	R.,CARBON R20 1.5K J
R134	5240026820	R.,CARBON R20 270 J
R301 R401	5240033020	R.,CARBON 100K R10 T.
R302 R402	5240027320	R.,CARBON R20 430 J
R303 R403	5240029620	R.,CARBON R20 3.9K J
R304 R404	5240029420	R.,CARBON R20 3.3K J
R305 R405	5240031320	R.,CARBON R20 20K J
R306 R406	5240030220	R.,CARBON R20 6.8K J
R307 R407	5240027820	R.,CARBON R20 680 J
R308 R408	5240033020	R.,CARBON 100K R10 T.
R309 R409	5240029420	R.,CARBON R20 3.3K J
R310 R410	5240030020	R.,CARBON R20 5.6K J
R311 R411	5240027320	R.,CARBON R20 430 J
R312 R412	5240029620	R.,CARBON R20 3.9K J
R313 R413	5240029420	R.,CARBON R20 3.3K J
R314 R414	5240031320	R.,CARBON R20 20K J
R315 R415	5240030220	R.,CARBON R20 6.8K J
R316 R416	5240027820	R.,CARBON R20 680 J
R317 R417	5240033020	R.,CARBON 100K R10 T.
R318 R418	5240030020	R.,CARBON R20 5.6K J
R701	5240026620	R.,CARBON R20 220 J
R702	5240026620	R.,CARBON R20 220 J
R703	5240033020	R.,CARBON 100K R10 T.
R704	5240033020	R.,CARBON 100K R10 T.
R705	5240033020	R.,CARBON 100K R10 T.
R706	5240030620	R.,CARBON R10 10K
R707	5240030820	R.,CARBON R20 12K J
R708	5240036220	R.,CARBON R20 2.2M J
R709	5240034620	R.,CARBON R20 470K J
R710	5240030620	R.,CARBON R10 10K
R711	5240034820	R.,CARBON R20 560K J
R713	5240032220	R.,CARBON R20 47K J
R714	5240032220	R.,CARBON R20 47K J
R715	5240033020	R.,CARBON 100K R10 T.
R716	5240032220	R.,CARBON R20 47K J
R718	5240032220	R.,CARBON R20 47K J
R719	5240023420	R.,CARBON 10 OHM
R720	5240030020	R.,CARBON R20 5.6K J
R723	5240032220	R.,CARBON R20 47K J
R734	5240030620	R.,CARBON R10 10K
R735	5240028220	R.,CARBON R20 1.0K J
R737	5240028220	R.,CARBON R20 1.0K J
R738	5240030620	R.,CARBON R10 10K
R801	⚠5241182910	R.,INCOMBUSTIBLE 1W 4.7 J
R802	5240030620	R.,CARBON R10 10K
R803	5240028420	R.,CARBON R20 1.2K J
R804	5240028420	R.,CARBON R20 1.2K J
R805	5240025020	R.,CARBON R20 47 J
R806	5240030620	R.,CARBON R10 10K
R807	5240032220	R.,CARBON R20 47K J
R808	5240030620	R.,CARBON R10 10K
TP1 -TP7	5544750000	PIN,CONBINATION
U101 U201	5292805700	FILTER,LOWPASS 100KHZ
U102 U202	5232252020	SI.TR.2SC3400

CONTROL PCB ASSY(A) (V-850X)

REF.NO.	PARTS NO.	DESCRIPTION
R017	5181514000	R.,CARBON R25 22K J
R018	⚠5241215510	R.,INCOMBUSTIBLE 1W 10 J
R019	5181474000	R.,CARBON R25 470 J
R020 R021	5181510000	R.,CARBON R25 15K J
R022 R023	5181510000	R.,CARBON R25 15K J
R024	5181514000	R.,CARBON R25 22K J
R025	5181495000	R.,CARBON R25 3.6K J
R026	5181522000	R.,CARBON R25 47K J
R027	5181530000	R.,CARBON R25 100K J
R028	5181546000	R.,CARBON R25 470K J
R029	5181522000	R.,CARBON R25 47K J
R030	5181530000	R.,CARBON R25 100K J
R031	5181510000	R.,CARBON R25 15K J
R032	5181458000	R., R25 100 OHM J FT
R033 R034	5181514000	R.,CARBON R25 22K J
R035	5184948000	R.,CARBON R25 4.7K G
R039	5181458000	R., R25 100 OHM J FT
R040	5181482000	R.,CARBON R25 1.0K J
R043 R045	5181530000	R.,CARBON R25 100K J
R044 R046	5181522000	R.,CARBON R25 47K J
R047	⚠5241182910	R.,INCOMBUSBLE 1W 4.7 J
R048	5181506000	R.,CARBON R25 10K J
U001	5220806600	IC,LC6510C-751
U002	6048661000	IC,M54517P
U003	5220427800	IC, BA6209
U004	5220427800	IC, BA6209
U005	5220022600	IC, UPD4011BC
U006	5220022600	IC, UPD4011BC
U007	5232251620	SI.TR.2SA1346
U009	5232252020	SI.TR.2SC3400
U010	5232252020	SI.TR.2SC3400
U011	5232252020	SI.TR.2SC3400
U012	5232252020	SI.TR.2SC3400
U013	5232251620	SI.TR.2SA1346
U014	5232251620	SI.TR.2SA1346
U015	5232252020	SI.TR.2SC3400
U016	5232251620	SI.TR.2SA1346
U017	5220019700	IC,LC7800
U018	5220020500	IC,LB1475
U019	5232252020	SI.TR.2SC3400
U020	5232252020	SI.TR.2SC3400
U021	5232252020	SI.TR.2SC3400
U024	5232252020	SI.TR.2SC3400
U025	5232251620	SI.TR.2SA1346
U026 U027	5232252020	SI.TR.2SC3400

SW PCB ASSY(B) (V-850X)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200183510	SW PCB ASSY(B)
	*5210183500	SW PCB(B)
	*5800743700	PLATE,REFLECTOR;NR
C001	5262009403	C.,ELEC. 0.22F5.5V(FSOH)
C002	5267013020	C.,CERAMIC 33PF 50V J
C003	5173435000	C.,CERAMIC 0.047UF 50V Z
D001	5225011700	LED,SLH34VRC3 RED
D002	5225011700	LED,SLH34VRC3 RED
D003	5225011800	LED,SLH34MC3 GRN
D004	5225015220	LED LN31GPH-TA GRN
D005	5225015320	LED LN21RPH-TA RED
D006	5225015320	LED LN21RPH-TA RED
D007	5225015320	LED LN21RPH-TA RED
D008	5225015320	LED LN21RPH-TA RED
D009	5225015320	LED LN21RPH-TA RED
D010	5225015320	LED LN21RPH-TA RED
D011	5225015320	LED LN21RPH-TA RED
D012	5225015220	LED LN31GPH-TA GRN
D013	5225015220	LED LN31GPH-TA GRN
D014	5225015220	LED LN31GPH-TA GRN
D015	5225015220	LED LN31GPH-TA GRN
D016	5225015320	LED LN21RPH-TA RED
D017	5225015320	LED LN21RPH-TA RED
D018	5225015320	LED LN21RPH-TA RED
D019	5225015320	LED LN21RPH-TA RED
D022 D023	5224015020	DIODE,1SS133T-77
D024 D025	5224015020	DIODE,1SS133T-77
D026	5224013210	DIODE,DS135D FA4 FF
D027 D028	5224015020	DIODE,1SS133T-77
D029 D030	5224015020	DIODE,1SS133T-77
D031 D032	5224015020	DIODE,1SS133T-77
D033 D034	5224015020	DIODE,1SS133T-77
D035 D036	5224015020	DIODE,1SS133T-77
D037	5224015020	DIODE,1SS133T-77
D038	5224015020	DIODE,1SS133T-77
P031	5336202800	CONN.PLUG,5483-08A WHT
P032	5336202500	CONN.PLUG,5483-05A WHT
Q001	5230781120	TR 2SC1740SLN
Q002 Q003	5230508400	SI.TR.2SB698F
Q004 Q005	5230508400	SI.TR.2SB698F
Q006 Q007	5230781120	TR 2SC1740SLN
R001	5240068620	R.,CARBON R20 1.5K G
R002	5240067320	R.,CARBON R20 430 G
R003	5240067520	R.,CARBON R20 510 G
R004	5240067720	R.,CARBON R20 620 G
R005	5240067920	R.,CARBON R20 750 G
R006	5240068120	R.,CARBON R20 910 G
R007	5240068320	R.,CARBON R20 1.1K G
R008	5240068520	R.,CARBON R20 1.3K G
R009	5240068920	R.,CARBON R20 2.0K G
R010	5240069120	R.,CARBON R20 2.4K G
R011	5240069520	R.,CARBON R20 3.6K G
R013 R014	5240023820	R.,CARBON R20 15 J
R015 R016	5240023820	R.,CARBON R20 15 J
R017 R018	5240023820	R.,CARBON R20 15 J

Parts marked with *require longer delivery time.

JACK PCB ASSY (R-888X)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200182801	JACK PCB ASSY
	*5210182801	JACK PCB
C101 C201	5173433000	C.,CERAMIC;0.010UF 50V Z
C102 C202	5260162550	C.,ELEC.10UF 16V
J001	5330009000	JACK,PIN 3P PHONE
J303	5336104100	CONN.PLUG, WP22-1W
P301	5336202300	CONN.PLUG,5483-03A WHT
R101 R201	5240033020	R.,CARBON 100K R10 T.
R103 R203	5240028220	R.,CARBON R20 1.0K J
R104 R204	5240024220	R.,CARBON R20 22 J
S001	5302100500	SW.,KHC15901
U001	5220427900	IC., M5216L

JOINT PCB ASSY (R-888X)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200182500	JOINT PCB ASSY
	*5210182500	JOINT PCB
L001 L002	5286024500	COIL,VARIABLE; 270UH

SENSOR PCB ASSY (R-888X)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200182400	SENSOR PCB ASSY
	*5210182400	SENSOR PCB
	*5800735900	SPACER
Q001 Q002	5228010400	PHOTO REFLECT. NJL5141E-B
R001	5181474000	R.,CARBON R25 470 J
R002	5181480000	R.,CARBON R25 820 J

CONTROL PCB ASSY(A) (V-850X)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200183101	CONTROL PCB ASSY(A)
	*5210183101	CONTROL PCB
	*5800752900	HEATSINK
C001	5173435000	C.,CERAMIC 0.047UF 50V Z
C002	5173070000	C.,ELEC.SM 470UF/6.3V
C003	5173433000	C.,CERAMIC 0.010UF 50V Z
C004	5260065850	C.,ELEC. 2.2UF 50V M SMBP
C005	5173433000	C.,CERAMIC 0.010UF 50V Z
C006 C007	5267013620	C.,CERAMIC 100PF 50V J
C008	5260161150	C.,ELEC.2.2UF 50V
C009	5263167123	C.,METAL 0.022UF 50V J
C010	5260165952	C.,ELEC.100UF/10V M USM
C011	5260165952	C.,ELEC.100UF/10V M USM
C013	5173435000	C.,CERAMIC 0.047UF 50V Z
C014	5260220750	C.,ELEC, 0.22UF 50V M LL
C015	5173433000	C.,CERAMIC 0.010UF 50V Z
CR01	5347000900	CERAMIC OSC KBR-800H
D003	5224572001	DIODE,ZENER;RD3.3EL2 FR
D004	5224573801	DIODE,ZENER RD6.2EL2 FR
D005 D006	5224012920	DIODE,1S2473
D007	5224012920	DIODE,1S2473
D008	5224012920	DIODE,1S2473
D009	5224012920	DIODE,1S2473
D010	5224013210	DIODE,DS135D FA4 FF
D011	5224012920	DIODE,1S2473
D012	5224012920	DIODE,1S2473
D020	5224574101	DIODE,ZENER,RD6.8EL2 FR
D021 D022	5224012920	DIODE,1S2473
D025	5224015020	DIODE,1SS133T-77
D026	5224575701	DIODE,ZENER,RD11EL2 FR
D027	5224012920	DIODE,1S2473
P001	5336202700	CONN.PLUG,5483-07A WHT
P002	5336206600	CONN.PLUG,5483-06A BLK
P003	5336204500	CONN.PLUG,5483-05A RED
P004	5336204400	CONN.PLUG,5483-04A RED
P005	5336202200	CONN.PLUG,5483-02A WHT
Q001	5230781120	TR 2SC1740SLN
Q002	5230781120	TR 2SC1740SLN
Q003	5230781120	TR 2SC1740SLN
Q004	5145087000	SI.TR.2SD-313E
Q005 Q006	5230019020	TR 2SA933SLN
R001 R002	5181506000	R.,CARBON R25 10K J
R003 R004	5181506000	R.,CARBON R25 10K J
R005	5181506000	R.,CARBON R25 10K J
R006	5181492000	R.,CARBON R25 2.7K J
R007	5181470000	R.,CARBON R25 330 J
R008	5181482000	R.,CARBON R25 1.0K J
R009	5181518000	R.,CARBON R25 33K J
R010	5181514000	R.,CARBON R25 22K J
R011	5181530000	R.,CARBON R25 100K J
R012	5181540000	R.,CARBON R25 270K J
R013	5181514000	R.,CARBON R25 22K J
R014	5181514000	R.,CARBON R25 22K J
R015	5181498000	R.,CARBON R25 4.7K J
R016	5181554000	R.,CARBON R25 1.0M J

Parts marked with *require longer delivery time.

SW PCB ASSY(B) (R-888X)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200183500	SW PCB ASSY(B)
	*5210183500	SW PCB(B)
	*5800743700	PLATE,REFLECTOR;NR
C001	5262009403	C.,ELEC.; 0.22F5.5V(FSOH)
C002	5267013020	C.,CERAMIC; 33PF 50V J
C003	5173435000	C.,CERAMIC;0.047UF 50V Z
D001	5225011700	LED,SLH34VRC3 RED
D002	5225011700	LED,SLH34VRC3 RED
D003	5225011700	LED,SLH34VRC3 RED
D004	5225015220	LED,LN31GPH-TA GRN
D005	5225015320	LED,LN21RPH-TA RED
D006	5225015320	LED,LN21RPH-TA RED
D007	5225015320	LED,LN21RPH-TA RED
D008	5225015320	LED,LN21RPH-TA RED
D009	5225015320	LED,LN21RPH-TA RED
D010	5225015320	LED,LN21RPH-TA RED
D011	5225015320	LED,LN21RPH-TA RED
D012	5225015220	LED,LN31GPH-TA GRN
D013	5225015220	LED,LN31GPH-TA GRN
D014	5225015220	LED,LN31GPH-TA GRN
D015	5225015220	LED,LN31GPH-TA GRN
D016	5225015320	LED,LN21RPH-TA RED
D017	5225015320	LED,LN21RPH-TA RED
D018	5225015320	LED,LN21RPH-TA RED
D019	5225015320	LED,LN21RPH-TA RED
D020	5225011800	LED,SLH34MC3 GRN
D021	5225011800	LED,SLH34MC3 GRN
D022 D023	5224015020	DIODE,1SS133T-77
D024 D025	5224015020	DIODE,1SS133T-77
D026	5224013210	DIODE,DS135D FA4 FF
D027 D028	5224015020	DIODE,1SS133T-77
D029 D030	5224015020	DIODE,1SS133T-77
D031 D032	5224015020	DIODE,1SS133T-77
D033 D034	5224015020	DIODE,1SS133T-77
D035 D036	5224015020	DIODE,1SS133T-77
D037	5224015020	DIODE,1SS133T-77
D039	5224015020	DIODE,1SS133T-77
P031	5336202800	CONN.PLUG,5483-08A WHT
P032	5336202600	CONN.PLUG,5483-06A WHT
Q001	5230781120	TR 2SC1740SLN
Q002 Q003	5230508400	SI.TR.2SB698F
Q004 Q005	5230508400	SI.TR.2SB698F
Q006 Q007	5230781120	TR.,2SC1740SLN
R001	5240068620	R.,CARBON R20 1.5K G
R002	5240067320	R.,CARBONR 20 430 G
R003	5240067520	R.,CARBON R20 510 G
R004	5240067720	R.,CARBON R20 620 G
R005	5240067920	R.,CARBON R20 750 G
R006	5240068120	R.,CARBON R20 910 G
R007	5240068320	R.,CARBON R20 1.1K G
R008	5240068520	R.,CARBON R20 1.3K G
R009	5240068920	R.,CARBON R20 2.0K G
R010	5240069120	R.,CARBON R20 2.4K G
R011	5240069520	R.,CARBON R20 3.6K G
R012	5240070020	R.,CARBON R20 5.6K G

SW PCB ASSY(B) (R-888X)

REF.NO.	PARTS NO.	DESCRIPTION
R013 R014	5240026420	R.,CARBON R20 180 J
R015 R016	5240026420	R.,CARBON R20 180 J
R017 R018	5240026420	R.,CARBON R20 180 J
R019 R020	5240026420	R.,CARBON R20 180 J
R021	5240026620	R.,CARBON R20 220 J
R022	5240026620	R.,CARBON R20 220 J
R023	5240025820	R.,CARBON 100 OHM R10 T.
R024	5240032220	R.,CARBON R20 47K J
R025	5240030620	R.,CARBON R10 10K
R026	5240032220	R.,CARBON R20 47K J
R027 R028	5240025820	R.,CARBON 100 OHM R10 T.
R029 R030	5240025820	R.,CARBON 100 OHM R10 T.
R031	5184978000	R.,CARBON R25 82 K G
R032 R033	5240030620	R.,CARBON R10 10K
R034 R035	5240030620	R.,CARBON R10 10K
R036	5284010500	SLIDE VR.;20KAX2 L=30
R037	5240028220	R.,CARBON R20 1.0K J
R038	5240027420	R.,CARBON 470 OHM R10 T.
R039 R040	5240030620	R.,CARBON R10 10K
R041 R042	5240030620	R.,CARBON R10 10K
R043	5240026420	R.,CARBON R20 180 J
R101 R201	5284010600	SLIDE VR.,50KA L=60
S001 S002	5302103200	SW.,TACT;KHH10910
S003 S004	5302103200	SW.,TACT;KHH10910
S005 S006	5302103200	SW.,TACT;KHH10910
S007 S008	5302103200	SW.,TACT;KHH10910
S009 S010	5302103200	SW.,TACT;KHH10910
S011 S012	5302103200	SW.,TACT;KHH10910
S013 S014	5302103200	SW.,TACT;KHH10910
S015 S016	5302103200	SW.,TACT;KHH10910
S017 S018	5302103200	SW.,TACT;KHH10910
S019 S020	5302103200	SW.,TACT;KHH10910
S021 S022	5302103200	SW.,TACT;KHH10910
S023 S024	5302103200	SE.,TACT;KHH10910
S025	5300042600	SW.,PUSH;2-2 N SPH2 L=3
U001	5232250600	TR.ARRAY, M54561P
U002	5220806500	IC,MC; UPD7507CU-210
U003	5232252020	SI.TR.2SC3400
U004	5232251620	SI.TR.2SA1346
U005 U006	5232252020	SI.TR.2SC3400
U007 U008	5232252020	SI.TR.2SC3400
U009	5242111300	R.ARRAY,10KX4
U010	5242111200	R.ARRAY,10KX3

Parts marked with *require longer delivery time.

CONTROL PCB ASSY (R-888X)

REF.NO.	PARTS NO.	DESCRIPTION
R004	5240030620	R.,CARBON R10 10K
R005	5240031420	R.,CARBON R10 22K
R006	5240033420	R.,CARBON R10 150K
R007	5240035420	R.,CARBON R20 1.0M J
R008	5240033420	R.,CARBON R10 150K
R009	5240029020	R.,CARBON R10 2.2K
R010	5240031820	R.,CARBON R20 33K J
R011	5240031020	R.,CARBON R10 15K
R012	5240030620	R.,CARBON R10 10K
R013	5280021700	R.,TRIMMER 47KB H.
R014	5280021700	R.,TRIMMER 47KB H.
R015	5240028220	R.,CARBON R20 1.0K J
R016	5240028220	R.,CARBON R20 1.0K J
R017	5240027020	R.,CARBON R20 330 J
R018	5240027020	R.,CARBON R20 330 J
R019	5240030620	R.,CARBON R10 10K
R020	5240030620	R.,CARBON R10 10K
R021	5240034620	R.,CARBON R20 470K J
R022	5240032220	R.,CARBON R20 47K J
R023	5240033020	R.,CARBON 100K R10 T.
R024	5240031020	R.,CARBON R10 15K
R025	5240025820	R.,CARBON 100 OHM R10 T.
R026	5240029020	R.,CARBON R10 2.2K
R027	5240029020	R.,CARBON R10 2.2K
R028	5240035420	R.,CARBON R20 1.0M J
R029	5240030620	R.,CARBON R10 10K
R030	⚠5241215510	R.,INCOMBUSTIBLE;1W 10 J
R031	5240031420	R.,CARBON R10 22K
R032	5240030020	R.,CARBON R20 5.6K J
R033	5240032220	R.,CARBON R20 47K J
R034	5240032220	R.,CARBON R20 47K J
R035	5240025820	R.,CARBON 100 OHM R10 T.
R036	5240032220	R.,CARBON R20 47K J
R037	5240030620	R.,CARBON R10 10K
R038	5240029720	R.,CARBON R20 4.3K J
R039	5240029920	R.,CARBON R20 5.1K J
R040	5240034020	R.,CARNON R20 270K J
R041	5240029820	R.,CARBON R20 4.7K J
R042	5280021500	R.,TRIMMER 22KB H.
R043	5240025820	R.,CARBON 100 OHM R10 T.
R044	⚠5241182910	R.,INCOMBUSTIBLE,1W 4.7 J
R045	5240029420	R.,CARBON R20 3.3K J
R046	5240029420	R.,CARBON R20 3.3K J
R047	5240030620	R.,CARBON R10 10K
R048	5240029620	R.,CARBON R20 3.9K J
R049	⚠5241216710	R.,INCOMBUSTIBLE,1W 33 J
R050	5240027020	R.,CARBON R20 330 J
R051	5240027020	R.,CARBON R20 330 J
R052	5240022620	R.,CARBON R20 4.7 J
R053	5240027420	R.,CARBON 470 OHM R10 T.
R054	5240030620	R.,CARBON R10 10K
R055	5240031420	R.,CARBON R10 22K
R056	5240029220	R.,CARBON R20 2.7K J
R057	5240029220	R.,CARBON R20 2.7K J
R058	5240027020	R.,CARBON R20 330 J

CONTROL PCB ASSY (R-888X)

REF.NO.	PARTS NO.	DESCRIPTION
R059	5240031820	R.,CARBON R20 33K J
R060	5240028220	R.,CARBON R20 1.0K J
R061	5240031420	R.,CARBON R10 22K
R062	5240033020	R.,CARBON 100K R10 T.
R063	5240034020	R.,CARBON R20 270K J
R064	5240031420	R.,CARBON R10 22K
R065	5240027020	R.,CARBON R20 330 J
R066	5240031820	R.,CARBON R20 33K J
R067	5240028220	R.,CARBON R20 1.0K J
R068	5240033020	R.,CARBON 100K R10 T.
R069	5240034020	R.,CARBON R20 270K J
U001	5220020500	IC,LB1475
U002	5220019700	IC,LC7800
U003	5220805300	IC,LM6402H-421
U004	5220805400	IC,LM6402H-422
U005	6048661000	IC,M54517P
U006	5220427800	IC,BA6209
U007	5220427800	IC,BA6209
U008	5220022600	IC,UPD4011BC
U009	5220019400	IC,TC4069UBP
U010	5220419500	IC,LA6358
U011	5232252020	SI.TR.2SC3400
U012	5220022600	IC,UPD4011BC
U013 U014	5232251620	SI.TR.2SA1346
U015 U016	5232251620	SI.TR.2SA1346
U017	5232251620	SI.TR.2SA1346
U018 U019	5232252020	SI.TR.2SC3400
U020	5242111300	R.ARRAY,10KX4
U021	5242111700	R.ARRAY,10KX8 FRE8P-103J
U022	5232252020	SI.TR.2SC3400
U023	5242111300	R.,ARRAY 10KX4
U024	5232252020	SI.TR.2SC3400
U025	5232252020	SI.TR.2SC3400
U026	5232252020	SI.TR.2SC3400

FT PCB ASSY (V-850X/V-750)

REF.NO.	PARTS NO.	DESCRIPTION
R12	5240032220	R.,CARBON R20 47K J
R13	5240029020	R.,CARBON R10 2.2K
R14	5240033020	R.,CARBON 100K R10 T.
U1	5232252020	SI.TR.2SC3400
U2	5220040400	IC.,M4011BP
U3	5220040500	IC.,M4013BP

COUNTER PCB ASSY(B) (R-888X)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200183700	COUNTER PCB ASSY(B)
	*5210183700	COUNTER PCB(B)
	*5800743800	PLATE,REFLECTOR;LED
D001 D002	5225014900	LED,LN01801C;ORG
D003 D004	5225015000	LED,LN01301C;GRN
D005	5225015000	LED,LN01301C;GRN
U001	5225014800	LED DISPLAY,GL3N412

COUNTER PCB ASSY(A) (V-850X)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200183200	COUNTER PCB ASSY(A)
	*5210183200	COUNTER PCB(A)
	*5800743800	PLATE,REFLECTOR;LED
D001 D002	5225014900	LED LN01801C ORG
U001	5225014800	LED DISPLAY,GL3N412

COUNTER PCB ASSY(A) (V-750)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200183210	COUNTER PCB ASSY(A)
	*5210183200	COUNTER PCB(A)
U001	5225014800	LED DISPLAY, GL3N412

CONTROL PCB ASSY(A) (V-750)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200183111	CONTROL PCB ASSY(A)
	*5210183101	CONTROL PCB
C001	5173435000	C.,CERAMIC 0.047UF 50V Z
C002	5173070000	C.,ELEC.SM 470UF/6.3V
C003	5173433000	C.,CERAMIC 0.010UF 50V Z
C004	5260065850	C.,ELEC. 2.2UF 50V M
C005	5173433000	C.,CERAMIC 0.010UF 50V Z
C006 C007	5267013620	C.,CERAMIC 100PF 50V J
C008	5260161150	C.,ELEC.2.2UF 50V
C009	5263167123	C.,METAL 0.022UF 50V J
C010	5260165952	C.,ELEC.100UF/10V M USM
C011	5260165952	C.,ELEC.100UF/10V M USM
C013	5173435000	C.,CERAMIC 0.047UF 50V Z
C015	5173433000	C.,CERAMIC 0.010UF 50V Z
CR01	5347000900	CERAMIC OSC KBR-800H
D003	5224572001	DIODE,ZENER; RD3.3EL2 FR
D004	5224573801	DIODE,ZENER RD6.2EL2 FR
D005 D006	5224012920	DIODE,1S2473
D007	5224012920	DIODE,1S2473
D008	5224012920	DIODE,1S2473
D009	5224012920	DIODE,1S2473
D010	5224013210	DIODE,DS135D FA4 FF
D013	5224012920	DIODE,1S2473
D014	5224012920	DIODE,1S2473
D015	5224012920	DIODE,1S2473
D016	5224012920	DIODE,1S2473
D017	5224012920	DIODE,1S2473
D020	5224574101	DIODE,ZENER; RD6.8EL2 FR
D021 D022	5224012920	DIODE,1S2473
D023 D024	5224012920	DIODE,1S2473
D026	5224575701	DIODE,ZENER; RD11EL2 FR
D027	5224012920	DIODE,1S2473
P001	5336202500	CONN.PLUG,5483-05A WHT
P002	5336206600	CONN.PLUG,5483-06A BLK
P003	5336204500	CONN.PLUG,5483-05A RED
P004	5336204400	CONN.PLUG,5483-04A RED
P005	5336202200	CONN.PLUG,5483-02A WHT
Q001	5230781120	TR 2SC1740SLN
Q002	5230781120	TR 2SC1740SLN
Q003	5230781120	TR 2SC1740SLN
Q005 Q006	5230019020	TR 2SA933SLN
R001 R002	5181506000	R.,CARBON R25 10K J
R003 R004	5181506000	R.,CARBON R25 10K J
R005	5181506000	R.,CARBON R25 10K J
R006	5181492000	R.,CARBON R25 2.7K J
R007	5181470000	R.,CARBON R25 330 J
R008	5181482000	R.,CARBON R25 1.0K J
R009	5181518000	R.,CARBON R25 33K J
R010	5181514000	R.,CARBON R25 22K J
R011	5181530000	R.,CARBON R25 100K J
R012	5181540000	R.,CARBON R25 270K J
R013	5181514000	R.,CARBON R25 22K J
R014	5181514000	R.,CARBON R25 22K J
R015	5181498000	R.,CARBON R25 4.7K J
R016	5181554000	R.,CARBON R25 1.0M J

Parts marked with *require longer delivery time.

SW PCB ASSY(B) (V-850X)

REF.NO.	PARTS NO.	DESCRIPTION
R019 R020	5240023820	R.,CARBON R20 15 J
R021	5240026620	R.,CARBON R20 220 J
R022	5240026620	R.,CARBON R20 220 J
R023	5240025820	R.,CARBON 100 OHM R10 T.
R024	5240032220	R.,CARBON R20 47K J
R025	5240030620	R.,CARBON R10 10K
R026	5240032220	R.,CARBON R20 47K J
R027 R028	5240025820	R.,CARBON 100 OHM R10 T.
R029 R030	5240025820	R.,CARBON 100 OHM R10 T.
R031	5184978000	R.,CARBON R25 82 K G
R032 R033	5240030620	R.,CARBON R10 10K
R034 R035	5240030620	R.,CARBON R10 10K
R036	5284010500	VR.,SLIDE; 20KAX2 L=30
R044 R045	5181506000	R.,CARBON R25 10K J
R101 R201	5284010600	VR.,SLIDE; 50KA L=60
S001 S002	5302103200	SW,TACT; KHH10910
S003 S004	5302103200	SW,TACT; KHH10910
S005 S006	5302103200	SW,TACT; KHH10910
S007 S008	5302103200	SW,TACT; KHH10910
S009 S010	5302103200	SW,TACT; KHH10910
S011 S012	5302103200	SW,TACT; KHH10910
S013 S014	5302103200	SW,TACT; KHH10910
S015 S016	5302103200	SW,TACT; KHH10910
S017 S018	5302103200	SW,TACT; KHH10910
S019 S020	5302103200	SW,TACT; KHH10910
S021 S022	5302103200	SW,TACT; KHH10910
S026	5302103200	SW,TACT; KHH10910
U001	5232250600	TR. ARRAY- M54561P
U002	5220806500	IC. UPD7507CU-210
U003	5232252020	SI.TR.2SC3400
U004	5232251620	SI.TR.2SA1346
U005 U006	5232252020	SI.TR.2SC3400
U007 U008	5232252020	SI.TR.2SC3400
U009	5242111300	R.,ARRAY 10KX4
U010	5242111200	R.,ARRAY 10KX3

JACK PCB ASSY (V-850X/V-750)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200182811	JACK PCB ASSY
	*5210182801	JACK PCB
C001 C002	5260162550	C.,ELEC.10UF 16V
C101 C201	5173433000	C.,CERAMIC 0.010UF 50V Z
C102 C202	5260162550	C.,ELEC.10UF 16V
C103 C203	5172212000	C.,CERAMIC 100PF/50V T
C104 C204	5260162550	C.,ELEC.10UF 16V
C105 C205	5172224000	C.,CERAMIC 1000PF/50V T
J001	5330009000	JACK,PIN 3P PHONE
J101 J201	5330009100	JACK,PIN 1P MIC
P301	5336202300	CONN.PLUG,5483-03A WHT
P302	5336204300	CONN.PLUG,5483-03A RED
R001 R002	5240028220	R.,CARBON R20 1.0K J
R101 R201	5240033020	R.,CARBON 100K R10 T.
R103 R203	5240028220	R.,CARBON R20 1.0K J
R104 R204	5240024220	R.,CARBON R20 22 J
R105 R205	5240030620	R.,CARBON R10 10K
R106 R206	5240029220	R.,CARBON R20 2.7K J
R107 R207	5240033820	R.,CARBON R10 220K
R108 R208	5240033020	R.,CARBON 100K R10 T.
R109 R209	5240025820	R.,CARBON 100 OHM R10 T.
U001	5220427900	IC,M5216L
U002	5220416200	IC,M5218L

FT PCB ASSY (V-850X/V-750)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200185500	FT PCB ASSY
	*5210185501	FT PCB
C1	5260161150	C.,ELEC.2.2UF 50V
C2	5260162050	C.,ELEC. 4.7UF 35V M SM
C3	5260161150	C.,ELEC.2.2UF 50V
C4	5260160550	C.,ELEC. 0.47UF 50V M SM
C5	5260162550	C.,ELEC.10UF 16V
C6	5260160750	C.,ELEC. 1UF50V SM T-N
C7	5172216000	C.,CERAMIC 220PF/50V T
D1 D2	5224015020	DIODE,1SS133T-77
D3 D4	5224015020	DIODE,1SS133T-77
D5 D6	5224015020	DIODE,1SS133T-77
D7 D8	5224015020	DIODE,1SS133T-77
P1	5336202700	CONN.PLUG, 5483-07A WHT
R01	5240029420	R.,CARBON R20 3.3K J
R02	5240025220	R.,CARBON R20 56 J
R03	5240034220	R.,CARBON R20 330K J
R04	5240030020	R.,CARBON R20 5.6K J
R05	5240029420	R.,CARBON R20 3.3K J
R06	5240034220	R.,CARBON R20 330K J
R07	5240030020	R.,CARBON R20 5.6K J
R08	5240033020	R.,CARBON 100K R10 T.
R09	5240031420	R.,CARBON R10 22K
R10	5240030620	R.,CARBON R10 10K
R11	5240032220	R.,CARBON R20 47K J

Parts marked with *require longer delivery time.

SW PCB ASSY(A) (V-750)

REF.NO.	PARTS NO.	DESCRIPTION
R020 R021	5181490000	R.,CARBON R25 2.2K J
R022 R023	5181490000	R.,CARBON R25 2.2K J
R024	5284010400	VR.,SLIDE; 1KB L=45
R025	5284010500	VR.,SLIDE; 20KAX2 L=30
R101 R201	5284010600	VR.,SLIDE; 50KA L=60
S001 S002	5302103200	SW.,TACT; KHH10910
S003 S004	5302103200	SW.,TACT; KHH10910
S005 S006	5302103200	SW.,TACT; KHH10910
S007 S008	5302103200	SW.,TACT; KHH10910
S009 S010	5302103200	SW.,TACT; KHH10910
S011	5302103200	SW.,TACT; KHH10910
S012	5300034300	SW.,PUSH 2-2 SPH2
S013	5300909600	SW.,SLIDE 2-3 SSY-023
U001	5232250600	TR. ARRAY, M54561P
U002	5220427300	IC. IR2E-20

SENSOR PCB ASSY (V-850X/V-750)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200182200	SENSOR PCB ASSY
	*5210182200	SENSOR PCB
	*5800735900	SPACER
Q001	5228010400	PHOTO REFLECT. NJL5141E-B
R001	5181482000	R.,CARBON R25 1.0K J

TIMER PCB ASSY(B) (R-888X)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200183800	TIMER PCB ASSY(B)
	*5210183800	TIMER PCB(B)
J001	5334027500	CONNECTOR SOCKET,4P
S001	5300912100	SW,SLIDE 2-3 SSSS32 L=4

TIMER PCB ASSY(A) (V-850X)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200183300	TIMER PCB ASSY(A)
	*5210183300	TIMER PCB(A)
J001	5334027500	CONNECTOR SOCKET, 4P
S001	5300912100	SW.SLIDE;2-3 SSSS32 L=4
S002	5302103200	SW.TACT;KHH10910

TIMER PCB ASSY(A) (V-750)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200183310	TIMER PCB ASSY(A)
	*5210183300	TIMER PCB(A)
S001	5300912100	SW.,SLIDE;2-3 SSSS32 L=4
S002	5302103200	SW.,TACT; KHH10910

DBX PCB ASSY (R-888X/V-850X)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200184001	DBX PCB ASSY
	*5210184001	DBX PCB
	*5544750000	PIN,CONBINATION
C501 C601	5260160750	C.,ELEC. 1UF50V SM T-N
C502 C602	5263167923	C.,METAL 0.1UF/50V J VT
C503 C603	5263167923	C.,METAL 0.1UF/50V J VT
C504 C604	5170364000	C.,MYLAR 0.0033UF/100V JT
C505 C605	5170364000	C.,MYLAR 0.0033UF/100V JT
C506 C606	5263106620	C.,POLYPRO. 330PF 100V J
C507 C607	5260220850	C.,ELEC. 0.33UF 50V M LL
C508 C608	5171868000	C.,MYLAR 0.033UF 100V J T
C509 C609	5260222050	C.,ELEC. 10UF 35V M LL
C510 C610	5263107020	C.,POLYPRO. 470PF 100V J
C511 C611	5260221050	C.,ELRC. 0.68UF 50V M LL
C512 C612	5260165052	C.,ELEC.47UF 10V M USM VT
C513 C613	5170368000	C.,MYLAR 0.0047UF/100V JT
C514 C614	5171864000	C.,MYLAR 0.022UF/100V J T
C515 C615	5260160750	C.,ELEC. 1UF50V SM T-N
C516 C616	5172212000	C.,CERAMIC 100PF/50V T
C517 C617	5260162550	C.,ELEC.10UF 16V
C518 C618	5263167923	C.,METAL 0.1UF/50V J VT
C519 C619	5260220850	C.,ELEC. 0.33UF 50V M LL
C520 C620	5171868000	C.,MYLAR 0.033UF 100V J T
C521 C621	5260222050	C.,ELEC. 10UF 35V M LL
C522 C622	5171864000	C.,MYLAR 0.022UF/100V J T
C523 C623	5260221050	C.,ELEC. 0.68UF 50V M LL
C524 C624	5260165052	C.,ELEC.47UF 10V M USM VT
C525 C625	5170368000	C.,MYLAR 0.0047UF/100V JT
C526 C626	5263106820	C.,POLYPRO. 390PF 100V J
C527 C627	5260162550	C.,ELEC.10UF 16V
C528 C628	5263167923	C.,METAL 0.1UF/50V J VT
C529 C629	5263167923	C.,METAL 0.1UF/50V J VT
C530 C630	5170364000	C.,MYLAR 0.0033UF/100V JT
C531 C631	5170364000	C.,MYLAR 0.0033UF/100V JT
C532 C632	5263106620	C.,POLYPRO. 330PF 100V J
C533 C633	5172212000	C.,CERAMIC 100PF/50V T
C534 C634	5260162550	C.,ELEC.10UF 16V
C535 C635	5172216000	C.,CERAMIC 220PF/50V T
C701	5260160750	C.,ELEC. 1UF50V SM T-N
C702	5260162550	C.,ELEC.10UF 16V
C703	5260162050	C.,ELEC. 4.7UF 35V M SM
C704	5260165952	C.,ELEC.100UF/10V M USM
C705	5260160750	C.,ELEC. 1UF50V SM T-N
C706	5260162550	C.,ELEC.10UF 16V
D701	5224540301	DIODE,ZENER RD5.1EB2 FR
J701	5336219100	CONN.SOCKET;5244-11A
Q501 Q601	5230781120	TR.2SC1740SLN
Q502 Q602	5230781120	TR.2SC1740SLN
Q503 Q603	5230781120	TR.2SC1740SLN
Q504 Q604	5230781120	TR.2SC1740SLN
Q505 Q605	5230781120	TR.2SC1740SLN
Q506 Q606	5230781120	TR.2SC1740SLN
Q701	5230019020	TR.2SA933SLN
R051 R061	5280020900	R.,TRIMMER 2.2KB H.
R052 R062	5280021300	R.,TRIMMER 10KB H.

Parts marked with *require longer delivery time.

CONTROL PCB ASSY(A) (V-750)

REF.NO.	PARTS NO.	DESCRIPTION
R017	5181514000	R.,CARBON R25 22K J
R018	⚠5241215510	R.,INCOMBUSTIBLE 1W 10 J
R019	5181474000	R.,CARBON R25 470 J
R020 R021	5181510000	R.,CARBON R25 15K J
R022 R023	5181510000	R.,CARBON R25 15K J
R024	5181514000	R.,CARBON R25 22K J
R025	5181495000	R.,CARBON R25 3.6K J
R026	5181522000	R.,CARBON R25 47K J
R027	5181530000	R.,CARBON R25 100K J
R028	5181546000	R.,CARBON R25 470K J
R029	5181522000	R.,CARBON R25 47K J
R030	5181530000	R.,CARBON R25 100K J
R031	5181510000	R.,CARBON R25 15K J
R032	5181458000	R., R25 100 OHM J FT
R033 R034	5181514000	R.,CARBON R25 22K J
R036	5181500000	R.,CARBON R25 5.6K J
R037 R038	5181514000	R.,CARBON R25 22K J
R040	5181482000	R.,CARBON R25 1.0K J
R041	5181500000	R.,CARBON R25 5.6K J
R042	5181514000	R.,CARBON R25 22K J
R043 R045	5181530000	R.,CARBON R25 100K J
R044 R046	5181522000	R.,CARBON R25 47K J
R047	⚠5241182910	R.,INCOMBUSTIBLE 1W 4.7 J
R048	5181506000	R.,CARBON R25 10K J
U001	5220806600	IC,LC6510C-751
U002	6048661000	IC,M54517P
U003	5220427800	IC,BA6209
U004	5220427800	IC,BA6209
U005	5220022600	IC,UPD4011BC
U006	5220022600	IC,UPD4011BC
U007	5232251620	SI.TR.2SA1346
U009	5232252020	SI.TR.2SC3400
U010	5232252020	SI.TR.2SC3400
U011	5232252020	SI.TR.2SC3400
U012	5232252020	SI.TR.2SC3400
U013	5232251620	SI.TR.2SA1346
U014	5232251620	SI.TR.2SA1346
U015	5232252020	SI.TR.2SC3400
U022	5232252020	SI.TR.2SC3400
U023	5232252020	SI.TR.2SC3400
U024	5232252020	SI.TR.2SC3400
U025	5232251620	SI.TR.2SA1346

SW PCB ASSY(A) (V-750)

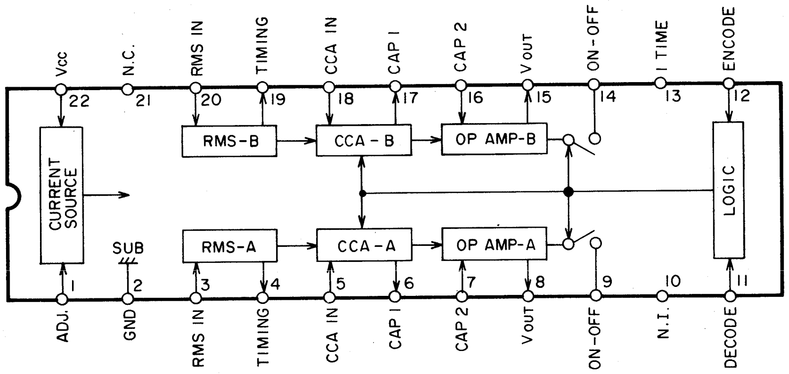
REF.NO.	PARTS NO.	DESCRIPTION
	*5200183001	SW PCB ASSY(A)
	*5210183001	SW PCB(A)
	*5800743700	REFLECTOR, NR
	*5800764300	PAPER, SHEILD
	*5780022003	SCREW,BIND; M2X3 (BKK NI)
	*5785102000	WASHER,SPRING; 2MM
C001	5260162550	C.,ELEC.10UF 16V
C002	5171860000	C.,MYLAR 0.015UF/100V J T
C003	5171860000	C.,MYLAR 0.015UF/100V J T
D001	5225011700	LED,SLH34VRC3 RED
D002	5225011800	LED,SLH34MC3 GRN
D003	5225011700	LED,SLH34VRC3 RED
D004	5225015220	LED LN31GPH-TA GRN
D005	5225015320	LED LN21RPH-TA RED
D006 D007	5225015220	LED LN31GPH-TA GRN
D008 D009	5225015320	LED LN21RPH-TA RED
D010	5225015320	LED LN21RPH-TA RED
D011 D012	5224012920	DIODE,1S2473
D013 D014	5224012920	DIODE,1S2473
D015	5224012920	DIODE,1S2473
D018	5224012920	DIODE,1S2473
D019 D020	5224012920	DIODE,1S2473
D021	5224012920	DIODE,1S2473
D023	5224012920	DIODE,1S2473
D024	5224013210	DIODE,DS135D FA4 FF
D101 D201	5225015220	LED LN31GPH-TA GRN
D102 D202	5225015220	LED LN31GPH-TA GRN
D103 D203	5225015220	LED LN31GPH-TA GRN
D104 D204	5225015220	LED LN31GPH-TA GRN
D105 D205	5225015220	LED LN31GPH-TA GRN
D106 D206	5225015220	LED LN31GPH-TA GRN
D107 D207	5225015220	LED LN31GPH-TA GRN
D108 D208	5225015220	LED LN31GPH-TA GRN
D109 D209	5225015320	LED LN21RPH-TA RED
D110 D210	5225015320	LED LN21RPH-TA RED
D111 D211	5225015320	LED LN21RPH-TA RED
D112 D212	5225015320	LED LN21RPH-TA RED
D113 D213	5225015320	LED LN21RPH-TA RED
P031	5336202700	CONN. PLUG;ç 5483-07A WHT
P032	5336202500	CONN.PLUG,5483-05A WHT
Q001 Q002	5230508400	SI.TR.2SB698F 0.6 250
Q003 Q004	5230508400	SI.TR.2SB698F 0.6 250
R001 R002	5181438000	R.,CARBON R25 15 J
R003 R004	5181438000	R.,CARBON R25 15 J
R005 R006	5181438000	R.,CARBON R25 15 J
R007	5181438000	R..CARBON R25 15 J
R008	5181466000	R.,CARBON R25 220 J
R009	5181466000	R.,CARBON R25 220 J
R010	5181514000	R.,CARBON R25 22K J
R011 R012	5181446000	R.,CARBON R25 33 J
R013 R014	5181446000	R.,CARBON R25 33 J
R015 R016	5181446000	R.,CARBON R25 33 J
R017	5181458000	R., R25 100 OHM J
R018	5181482000	R.,CARBON R25 1.0K J
R019	5181466000	R.,CARBON R25 220 J

Parts marked with *require longer delivery time.

8 IC BLOCK DIAGRAMS

ICブロック・ダイヤグラム

AN6291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16
15
14
13
12
CURRENT SOURCE
RMS-B
CCA - B
OP AMP-B
LOGIC
SUB
RMS-A
CCA - A
OP AMP-A
1
2
3
4
5
6
7
8
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V OUT
ON-OFF
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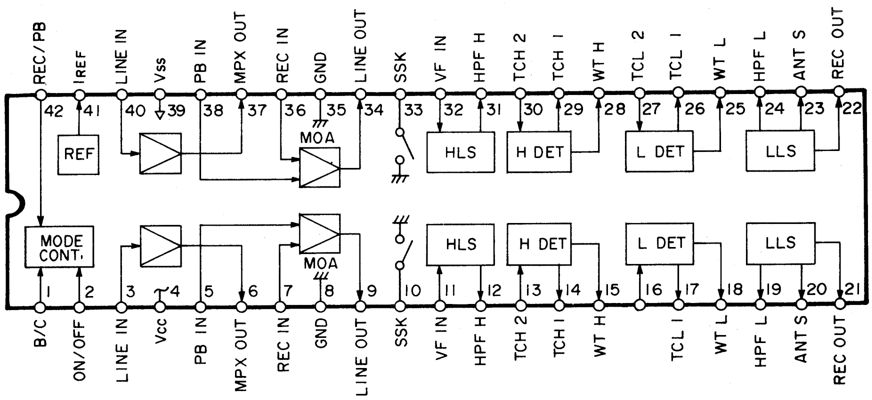
DECODE

CX20187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WT H
TCL 2
TCL 1
WT L
HPF L
ANT S
REC OUT
42
41
40
39
38
37
36
35
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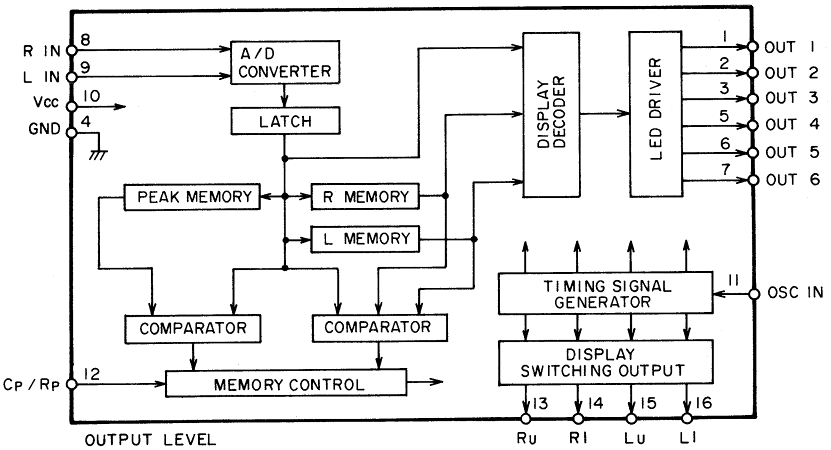
33
32
31
30
29
28
27
26
25
24
23
22
REF
MOA
HLS
H DET
L DET
LLS
MODE CONT.
MOA
HLS
H DET
L DET
LLS
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
B/C
ON/OFF
LINE IN
Vcc
PB IN
MPX OUT
REC IN
GND
LINE OUT
SSK
VF IN
HPF H
TCH 2
TCH 1
WT H
TCL 1
WT L
HPF L
ANT S
REC OUT

IR2E-20


R IN
L IN
Vcc
GND
8
9
10
4
A/D CONVERTER
LATCH
PEAK MEMORY
R MEMORY
L MEMORY
COMPARATOR
COMPARATOR
MEMORY CONTROL
Cp / Rp
12
DISPLAY DECODER
LED DRIVER
1
2
3
5
6
7
OUT 1
OUT 2
OUT 3
OUT 4
OUT 5
OUT 6
TIMING SIGNAL GENERATOR
11
OSC IN
DISPLAY SWITCHING OUTPUT
13
14
15
16
Ru
Rl
Lu
Ll

OUTPUT LEVEL
OUT 1 (LOW) ——→ OUT 6 (HIGH)

DBX PCB ASSY (R-888X/V-850X)

REF.NO.	PARTS NO.	DESCRIPTION
R071 R072	5280020900	R.,TRIMMER 2.2KB H.
R501 R601	5240031020	R.,CARBON R10 15K
R502 R602	5240028220	R.,CARBON R20 1.0K J
R503 R603	5240033020	R.,CARBON 100K R10 T.
R504 R604	5240033020	R.,CARBON 100K R10 T.
R505 R605	5240029420	R.,CARBON R20 3.3K J
R506 R606	5240031820	R.,CARBON R20 33K J
R507 R607	5240033420	R.,CARBON R10 150K
R508 R608	5240033920	R.,CARBON R20 240K J
R509 R609	5240029820	R.,CARBON R20 4.7K J
R510 R610	5240031020	R.,CARBON R10 15K
R511 R611	5240031020	R.,CARBON R10 15K
R512 R612	5240029420	R.,CARBON R20 3.3K J
R513 R613	5240029420	R.,CARBON R20 3.3K J
R514 R614	5240030620	R.,CARBON R10 10K
R515 R615	5240028220	R.,CARBON R20 1.0K J
R516 R616	5240023420	R.,CARBON 10 OHM
R517 R617	5240029820	R.,CARBON R20 4.7K J
R518 R618	5240031020	R.,CARBON R10 15K
R519 R619	5240026220	R.,CARBON R20 150 J
R520 R620	5240031020	R.,CARBON R10 15K
R521 R621	5240029820	R.,CARBON R20 4.7K J
R522 R622	5240033020	R.,CARBON 100K R10 T.
R523 R623	5240031020	R.,CARBON R10 15K
R524 R624	5240025820	R.,CARBON 100 OHM R10 T.
R525 R625	5240033020	R.,CARBON 100K R10 T.
R526 R626	5240034620	R.,CARBON R20 470K J
R527 R627	5240034620	R.,CARBON R20 470K J
R528 R628	5240029420	R.,CARBON R20 3.3K J
R529 R629	5240030620	R.,CARBON R10 10K
R530 R630	5240028220	R.,CQRBON R20 1.0K J
R531 R631	5240023420	R.,CARBON 10 OHM
R532 R632	5240029820	R.,CARBON R20 4.7K J
R533 R633	5240031020	R.,CARBON R10 15K
R534 R634	5240026220	R.,CARBON R20 150 J
R535 R635	5240031020	R.,CARBON R10 15K
R536 R636	5240029820	R.,CARBON R20 4.7K J
R537 R637	5240031820	R.,CARBON R20 33K J
R538 R638	5240033420	R.,CARBON R10 150K
R539 R639	5240033920	R.,CARBON R20 240K J
R540 R640	5240029820	R.,CARBON R20 4.7K J
R541 R641	5240031020	R.,CARBON R10 15K
R542 R642	5240031020	R.,CARBON R10 15K
R543 R643	5240029420	R.,CARBON R20 3.3K J
R544 R644	5240029420	R.,CARBON R20 3.3K J
R545 R645	5240030620	R.,CARBON R10 10K
R546 R646	5240031020	R.,CARBON R10 15K
R547 R647	5240031820	R.,CARBON R20 33K J
R548 R648	5240031820	R.,CARBON R20 33K J
R701	5240068220	R.,CARBON R20 1.0K G
R702	5240028220	R.,CARBON R20 1.0K J
R703	5240033020	R.,CARBON 100K R10 T.
R704	5240033020	R.,CARBON 100K R10 T.
R705	⚠5183574000	R.,INCOMBUSTIBLE 68 1/4W
R706	5240068220	R.,CARBON R20 1.0K G

DBX PCB ASSY (R-888X/V-850X)

REF.NO.	PARTS NO.	DESCRIPTION
U701	5220423100	IC,AN6291
U702	5220416200	IC,M5218L
U703	5220423100	IC,AN6291
U704	5220416200	IC,M5218L

LED MODULE PCB ASSY (R-888X/V-850X)
(PC Board omitted)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200182100	LED MODULE PCB ASSY
	*5292204700	LED MODULE LT-1155
C001	5260162550	C.,ELEC.10UF 16V
C002	5260162550	C.,ELEC.10UF 16V
C003	5260162550	C.,ELEC.10UF 16V
C004	5260162550	C.,ELEC.10UF 16V
C005	5260162550	C.,ELEC.10UF 16V
R001	5240031020	R.,CARBON R10 15K
R002	5240029020	R.,CARBON R10 2.2K
R003	5240031720	R.,CARBON R20 30K J
R004	5240031720	R.,CARBON R20 30K J
U001 U002	5242116600	R.,ARRAY,820 OHMX8

POWER SW PCB ASSY (R-888X/V-850X/V-750)
(PC Board Omitted)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200116240	POWER SW PCB ASSY [E,UK]
	*5200116250	POWER SW PCB ASSY [A]
	*5210073201	POWER SW PCB
	*5730007500	COVER,CAPACITOR
S001	⚠ 5300031900	SW.,PUSH SPLC1P 1.5MMPCB
Z001	⚠ 5267703800	C.SPARK KILLER 4700PF400V

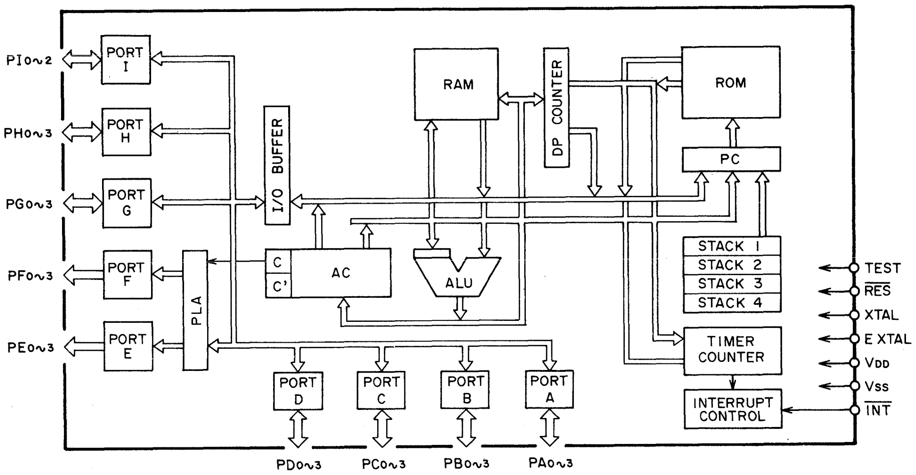
POWER SW PCB ASSY (R-888X/V-850X/V-750)
[J,US,C,GE] (PC Board Omitted)

REF.NO.	PARTS NO.	DESCRIPTION
	*5200186000	POWER SW PCB ASSY
	*5210073201	POWER SW PCB
S401	⚠ 5300031900	SW.,PUSH SPLC1P 1.5MMPCB
Z401	⚠ 5267703800	C.SPARK KILLER 4700PF400V

Parts marked with *require longer delivery time.

[US]:U.S.A. [E]:EUROPE [UK]:U.K. [C]:CANADA
[A]:AUSTRALIA [GE]:GENERAL EXPORT [J]:JAPAN

LM6402H-421
LM6402H-422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PH0~3
PG0~3
PF0~3
PE0~3
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PORT G
PORT F
PORT E
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C
C'
AC
RAM
ALU
DP COUNTER
ROM
PC
STACK 1
STACK 2
STACK 3
STACK 4
TIMER COUNTER
INTERRUPT CONTROL
PORT D
PORT C
PORT B
PORT A
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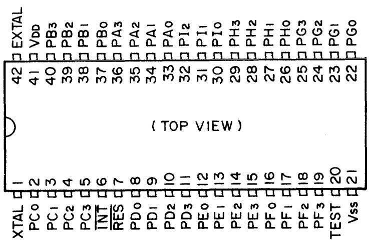
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PA0 33
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PI0 30
PH3 29
PH2 28
PH1 27
PH0 26
PG3 25
PG2 24
PG1 23
PG0 22
(TOP VIEW)
1 XTAL
2 PC0
3 PC1
4 PC2
5 PC3
6 INT
7 RES
8 PD0
9 PD1
10 PD2
11 PD3
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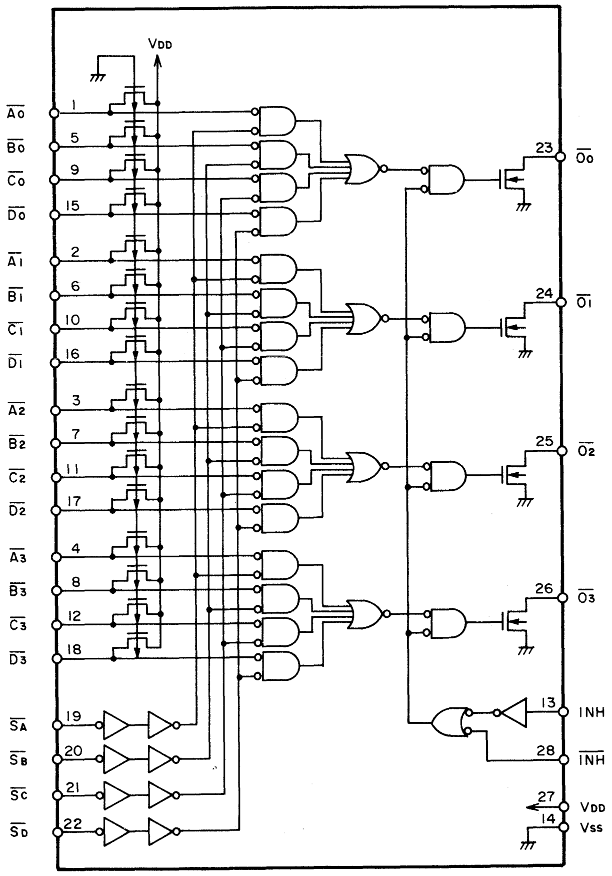
13 PE1
14 PE2
15 PE3
16 PF0
17 PF1
18 PF2
19 PF3
20 TEST
21 Vss

LC7800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D1 16
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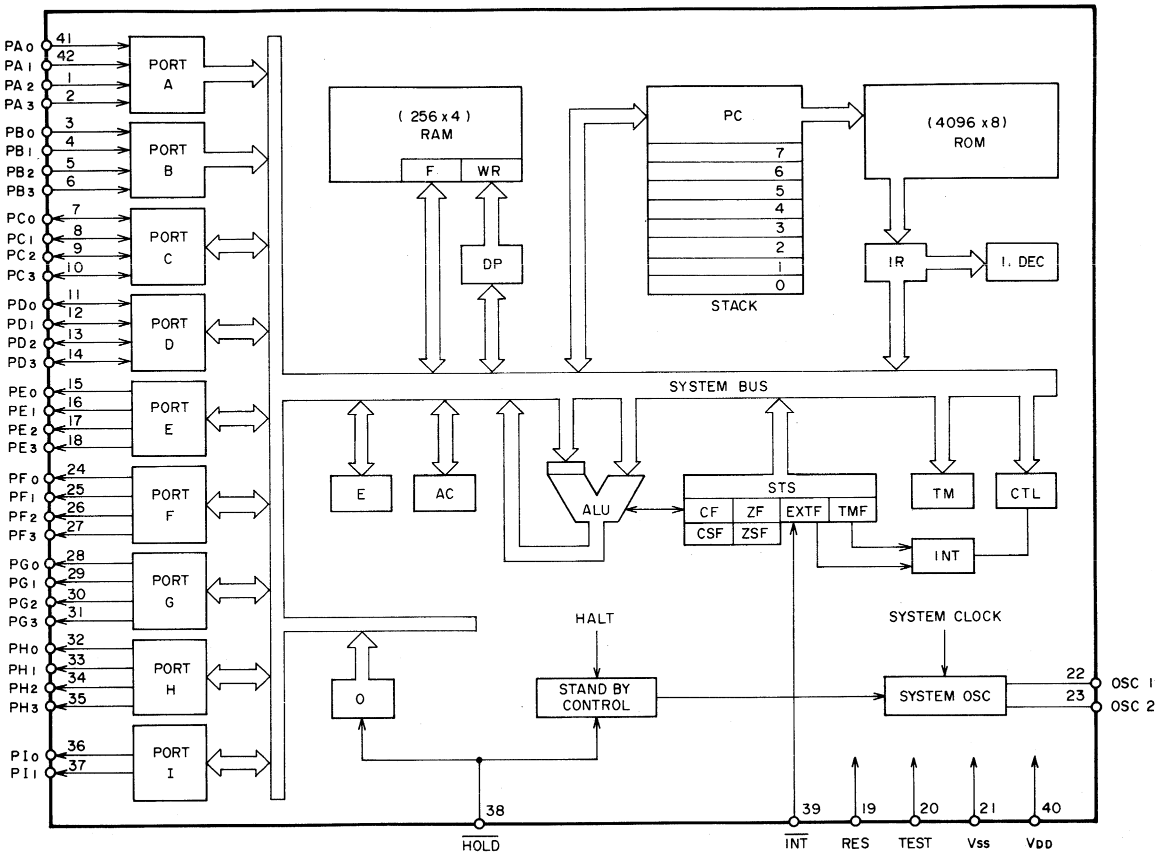
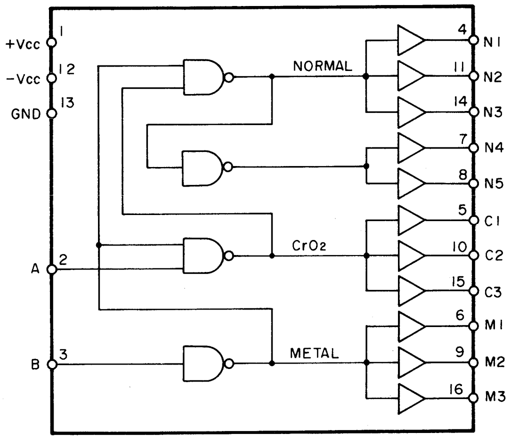
A3 4
B3 8
C3 12
D3 18
SA 19
SB 20
SC 21
SD 22
23 O0
24 O1
25 O2
26 O3
13 INH
28 INH
27 VDD
14 Vss

LC6510C-751

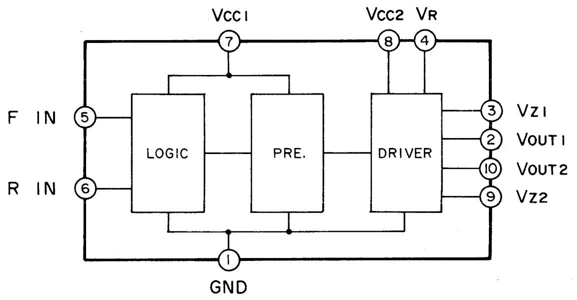

PA0 41
PA1 42
PA2 1
PA3 2
PORT A
PB0 3
PB1 4
PB2 5
PB3 6
PORT B
PC0 7
PC1 8
PC2 9
PC3 10
PORT C
PD0 11
PD1 12
PD2 13
PD3 14
PORT D
PE0 15
PE1 16
PE2 17
PE3 18
PORT E
PF0 24
PF1 25
PF2 26
PF3 27
PORT F
PG0 28
PG1 29
PG2 30
PG3 31
PORT G
PH0 32
PH1 33
PH2 34
PH3 35
PORT H
PI0 36
PI1 37
PORT I
(256 x 4) RAM
F
WR
DP
PC
7 6 5 4 3 2 1 0
STACK
(4096 x 8) ROM
IR
I. DEC
SYSTEM BUS
E
AC
ALU
STS
CF ZF EXTF TMF
CSF ZSF
TM
CTL
INT
HALT
SYSTEM CLOCK
O
STAND BY CONTROL
SYSTEM OSC
22 OSC 1
23 OSC 2
38 HOLD
39 INT
19 RES
20 TEST
21 Vss
40 VDD

AN6256

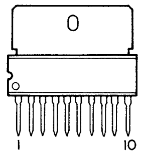

+Vcc 1
−Vcc 12
GND 13
A 2
B 3
NORMAL
CrO2
METAL
4 N1
11 N2
14 N3
7 N4
8 N5
5 C1
10 C2
15 C3
6 M1
9 M2
16 M3

A	B	N1∿N3	N4∿N5	C1∿C3	M1∿M3	TAPE
L	L	L	H	H	H	NORMAL
L	H	H	L	H	L	
H	L	H	L	L	H	CrO2
H	H	H	L	H	L	METAL

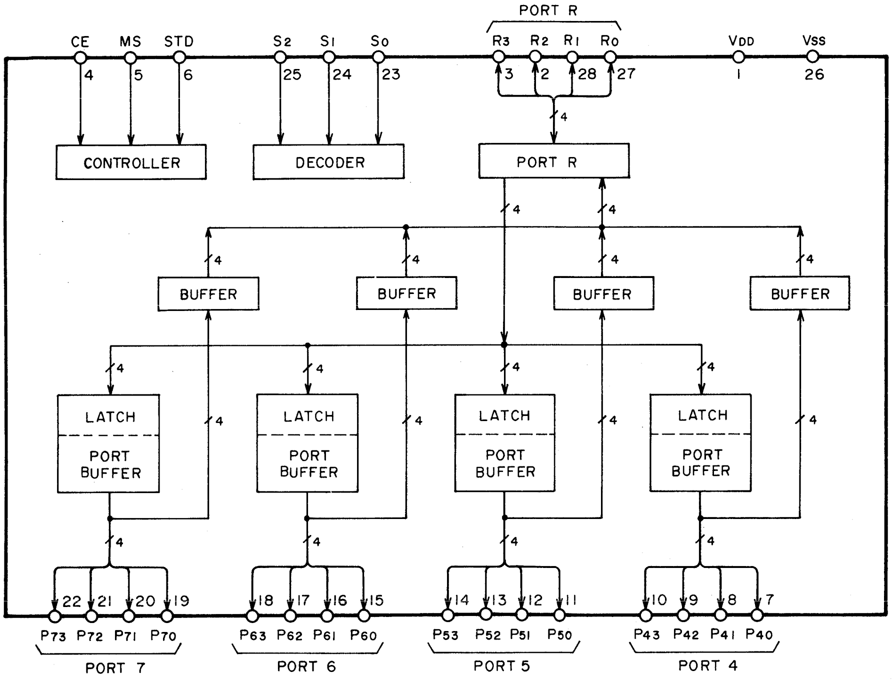
BA6209


Vcc1 7
Vcc2 8
VR 4
F IN 5
R IN 6
LOGIC
PRE.
DRIVER
3 Vz1
2 Vout1
10 Vout2
9 Vz2
1 GND

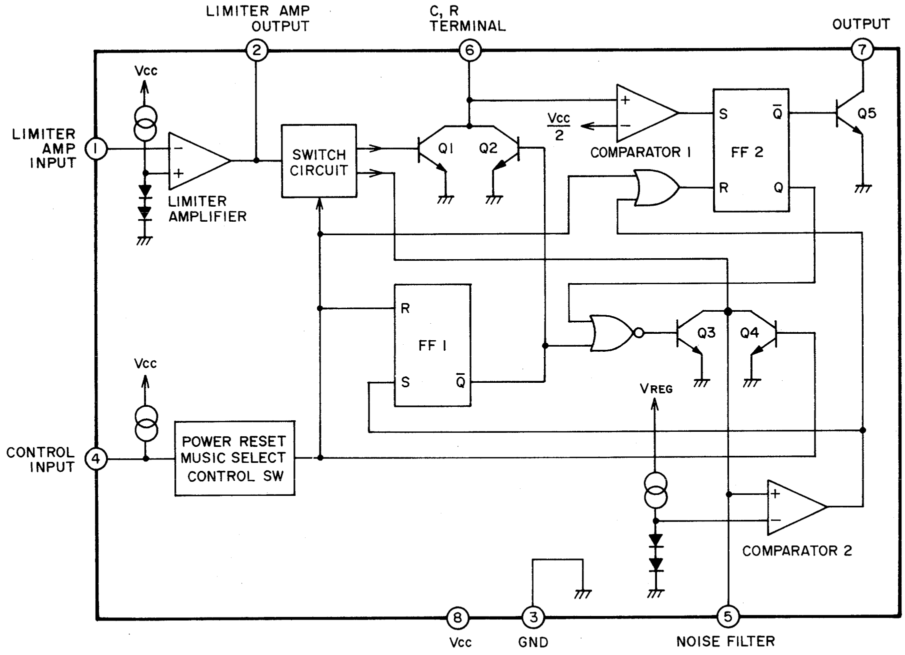
F IN	R IN	Vout1	Vout2
H	H	L	L
L	H	L	H
H	L	H	L
L	L	L	L



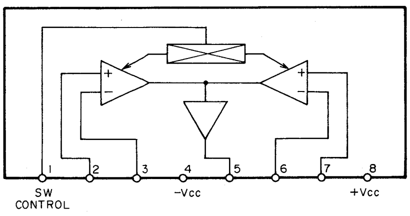
M50781SP


PORT R
CE
MS
STD
S2
S1
S0
R3
R2
R1
R0
VDD
VSS
4
5
6
25
24
23
3
2
28
27
1
26
CONTROLLER
DECODER
PORT R
BUFFER
BUFFER
BUFFER
BUFFER
LATCH
PORT BUFFER
LATCH
PORT BUFFER
LATCH
PORT BUFFER
LATCH
PORT BUFFER
22
21
20
19
18
17
16
15
14
13
12
11
10
9
8
7
P73 P72 P71 P70
P63 P62 P61 P60
P53 P52 P51 P50
P43 P42 P41 P40
PORT 7
PORT 6
PORT 5
PORT 4

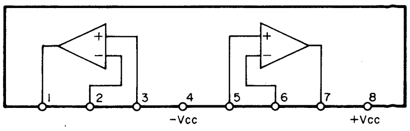
M51143AL


LIMITER AMP OUTPUT
C, R TERMINAL
OUTPUT
2
6
7
Vcc
LIMITER AMP INPUT
1
LIMITER AMPLIFIER
SWITCH CIRCUIT
Q1
Q2
Vcc/2
COMPARATOR 1
S
Q̄
R
Q
FF 2
Q5
R
FF 1
S
Q̄
Q3
Q4
VREG
Vcc
CONTROL INPUT
4
POWER RESET MUSIC SELECT CONTROL SW
COMPARATOR 2
8
3
5
Vcc
GND
NOISE FILTER

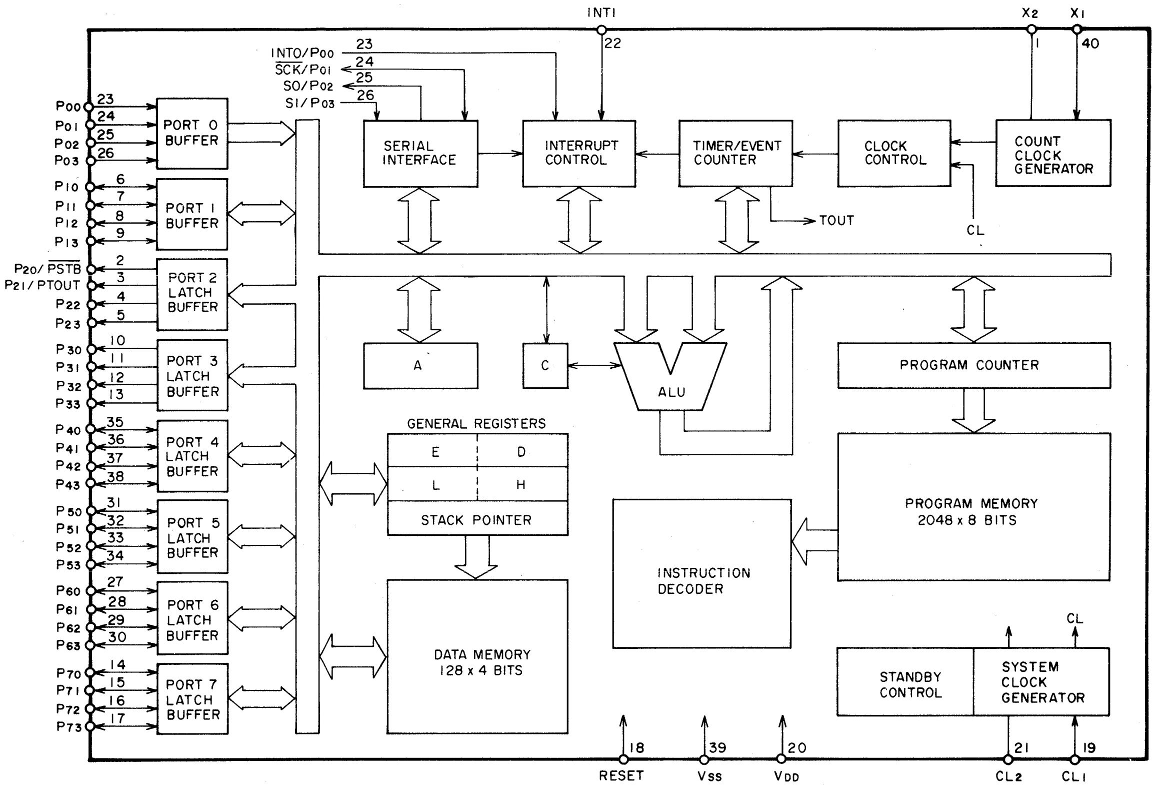
M5201L


1
2
3
4
5
6
7
8
SW CONTROL
-Vcc
+Vcc

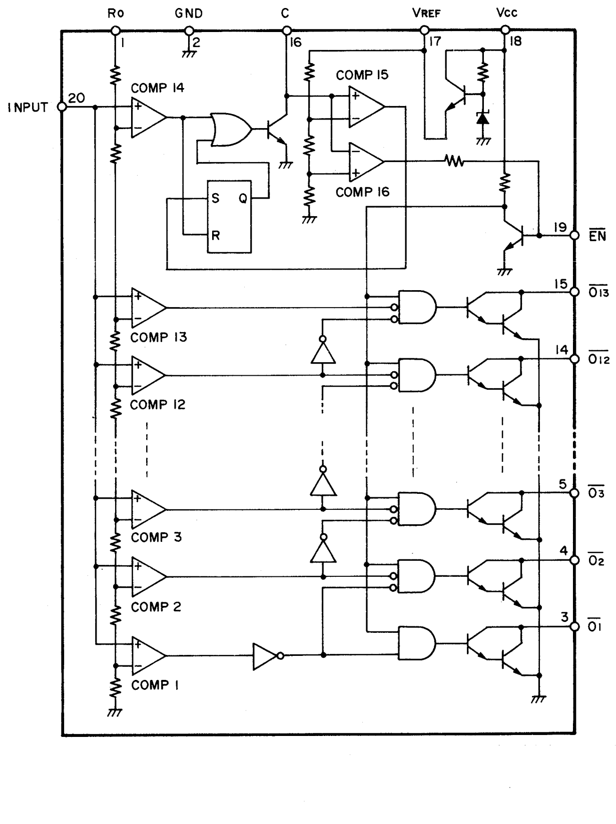
M5216L
M5218L


1
2
3
4
5
6
7
8
-Vcc
+Vcc

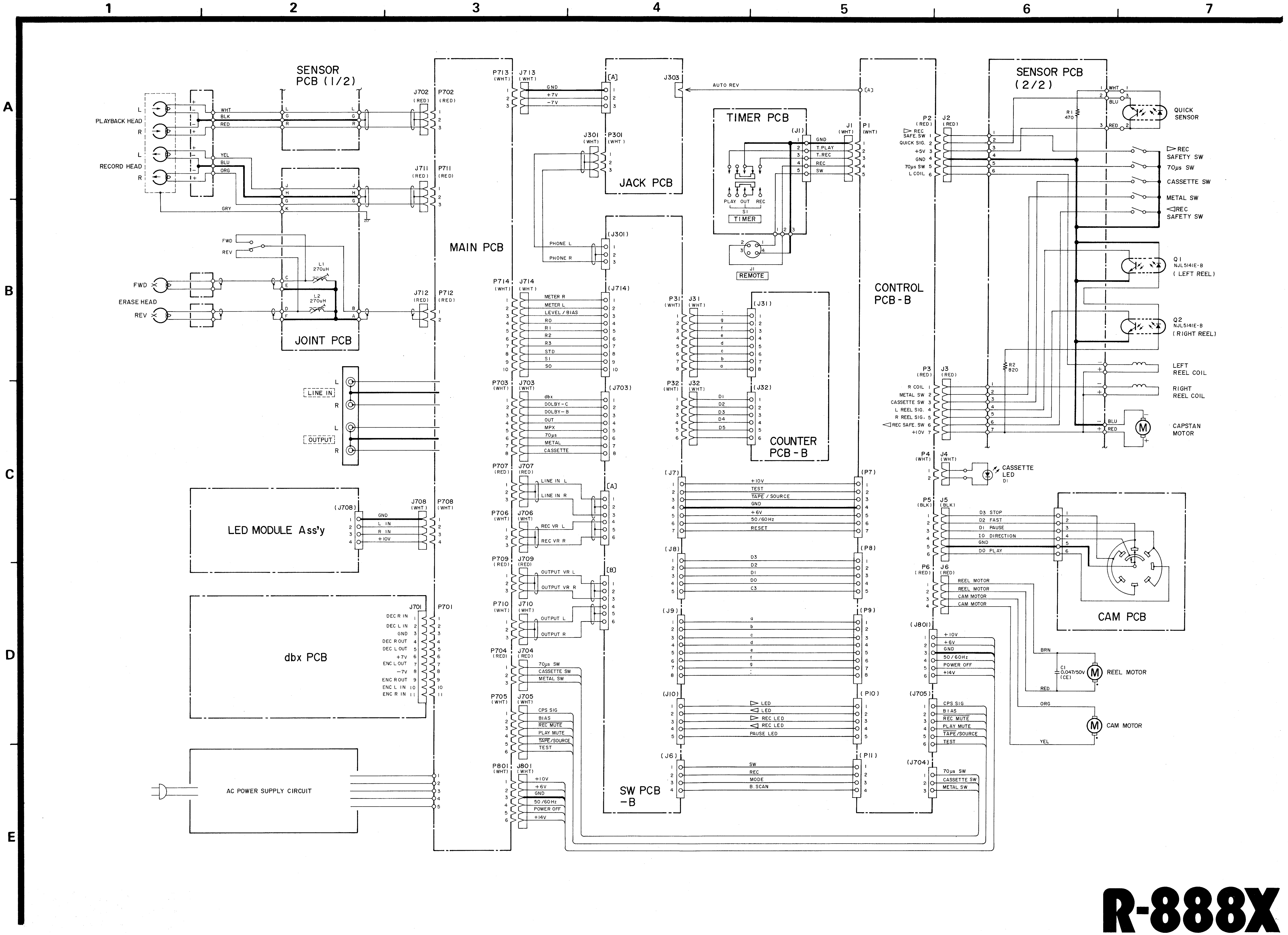
µPD7507CU-210


INT1
X2
X1
22
1
40
INT0/P00 23
SCK/P01 24
SO/P02 25
SI/P03 26
SERIAL INTERFACE
INTERRUPT CONTROL
TIMER/EVENT COUNTER
CLOCK CONTROL
COUNT CLOCK GENERATOR
TOUT
CL
P00 23
P01 24
P02 25
P03 26
PORT 0 BUFFER
P10 6
P11 7
P12 8
P13 9
PORT 1 BUFFER
P20/PSTB 2
P21/PTOUT 3
P22 4
P23 5
PORT 2 LATCH BUFFER
P30 10
P31 11
P32 12
P33 13
PORT 3 LATCH BUFFER
P40 35
P41 36
P42 37
P43 38
PORT 4 LATCH BUFFER
P50 31
P51 32
P52 33
P53 34
PORT 5 LATCH BUFFER
P60 27
P61 28
P62 29
P63 30
PORT 6 LATCH BUFFER
P70 14
P71 15
P72 16
P73 17
PORT 7 LATCH BUFFER
A
C
ALU
PROGRAM COUNTER
GENERAL REGISTERS
E
D
L
H
STACK POINTER
PROGRAM MEMORY 2048 x 8 BITS
INSTRUCTION DECODER
DATA MEMORY 128 x 4 BITS
CL
STANDBY CONTROL
SYSTEM CLOCK GENERATOR
18 RESET
39 VSS
20 VDD
21 CL2
19 CL1

LB1475


R0
GND
C
VREF
VCC
1
2
16
17
18
INPUT 20
COMP 14
COMP 15
COMP 16
S
Q
R
19 EN
15 O13
14 O12
5 O3
4 O2
3 O1
COMP 13
COMP 12
COMP 3
COMP 2
COMP 1

TEAC SCHEMATIC DIAGRAM **R-888X** (WIRING)


1
2
3
4
5
6
7
A
B
C
D
E
SENSOR PCB (1/2)
PLAYBACK HEAD
RECORD HEAD
L
R
WHT
BLK
RED
YEL
BLU
ORG
GRY
J702 (RED)
P702 (RED)
J711 (RED)
P711 (RED)
J712 (RED)
P712 (RED)
FWD
REV
ERASE HEAD
L1 270uH
L2 270uH
JOINT PCB
MAIN PCB
LINE IN
OUTPUT
LED MODULE Ass'y
(J708)
J708 (WHT)
P708 (WHT)
GND
L IN
R IN
+10V
dbx PCB
J701
P701
DEC R IN
DEC L IN
GND
DEC R OUT
DEC L OUT
+7V
ENC L OUT
−7V
ENC R OUT
ENC L IN
ENC R IN
AC POWER SUPPLY CIRCUIT
P713 (WHT)
J713 (WHT)
+7V
−7V
J301 (WHT)
P301 (WHT)
JACK PCB
J303
AUTO REV
[A]
(J301)
PHONE L
PHONE R
P714 (WHT)
J714 (WHT)
(J714)
METER R
METER L
LEVEL / BIAS
R0
R1
R2
R3
STD
SI
SO
P703 (WHT)
J703 (WHT)
(J703)
dbx
DOLBY-C
DOLBY-B
OUT
MPX
70μs
METAL
CASSETTE
P707 (RED)
J707 (RED)
LINE IN L
LINE IN R
P706 (WHT)
J706 (WHT)
REC VR L
REC VR R
P709 (RED)
J709 (RED)
OUTPUT VR L
OUTPUT VR R
[B]
P710 (WHT)
J710 (WHT)
OUTPUT L
OUTPUT R
P704 (RED)
J704 (RED)
70μs SW
CASSETTE SW
METAL SW
P705 (WHT)
J705 (WHT)
CPS SIG
BIAS
REC MUTE
PLAY MUTE
TAPE/SOURCE
TEST
P801 (WHT)
J801 (WHT)
+10V
+6V
50/60Hz
POWER OFF
+14V
TIMER PCB
(J1)
J1 (WHT)
P1 (WHT)
T.PLAY
T.REC
REC
SW
PLAY OUT REC
S1
TIMER
J1
REMOTE
P31 (WHT)
J31 (WHT)
(J31)
P32 (WHT)
J32 (WHT)
(J32)
D1
D2
D3
D4
D5
COUNTER PCB-B
(J7)
(P7)
TEST
TAPE / SOURCE
RESET
(J8)
(P8)
D0
C3
(J9)
(P9)
(J10)
(P10)
▷ LED
◁ LED
▷ REC LED
◁ REC LED
PAUSE LED
(J6)
(P11)
MODE
B. SCAN
SW PCB -B
CONTROL PCB-B
SENSOR PCB (2/2)
R1 470
QUICK SENSOR
P2 (RED)
J2 (RED)
▷ REC SAFE. SW
QUICK SIG.
+5V
70μs SW
L COIL
▷ REC SAFETY SW
70μs SW
CASSETTE SW
METAL SW
◁ REC SAFETY SW
Q1 NJL5141E-B (LEFT REEL)
Q2 NJL5141E-B (RIGHT REEL)
R2 820
LEFT REEL COIL
RIGHT REEL COIL
CAPSTAN MOTOR
P3 (RED)
J3 (RED)
R COIL
METAL SW
CASSETTE SW
L REEL SIG.
R REEL SIG.
◁ REC SAFE. SW
P4 (WHT)
J4 (WHT)
CASSETTE LED D1
P5 (BLK)
J5 (BLK)
D3 STOP
D2 FAST
D1 PAUSE
I0 DIRECTION
D0 PLAY
CAM PCB
P6 (RED)
J6 (RED)
REEL MOTOR
CAM MOTOR
(J801)
(J705)
(J704)
BRN
C1 0.047/50V (CE)
REEL MOTOR
CAM MOTOR
M

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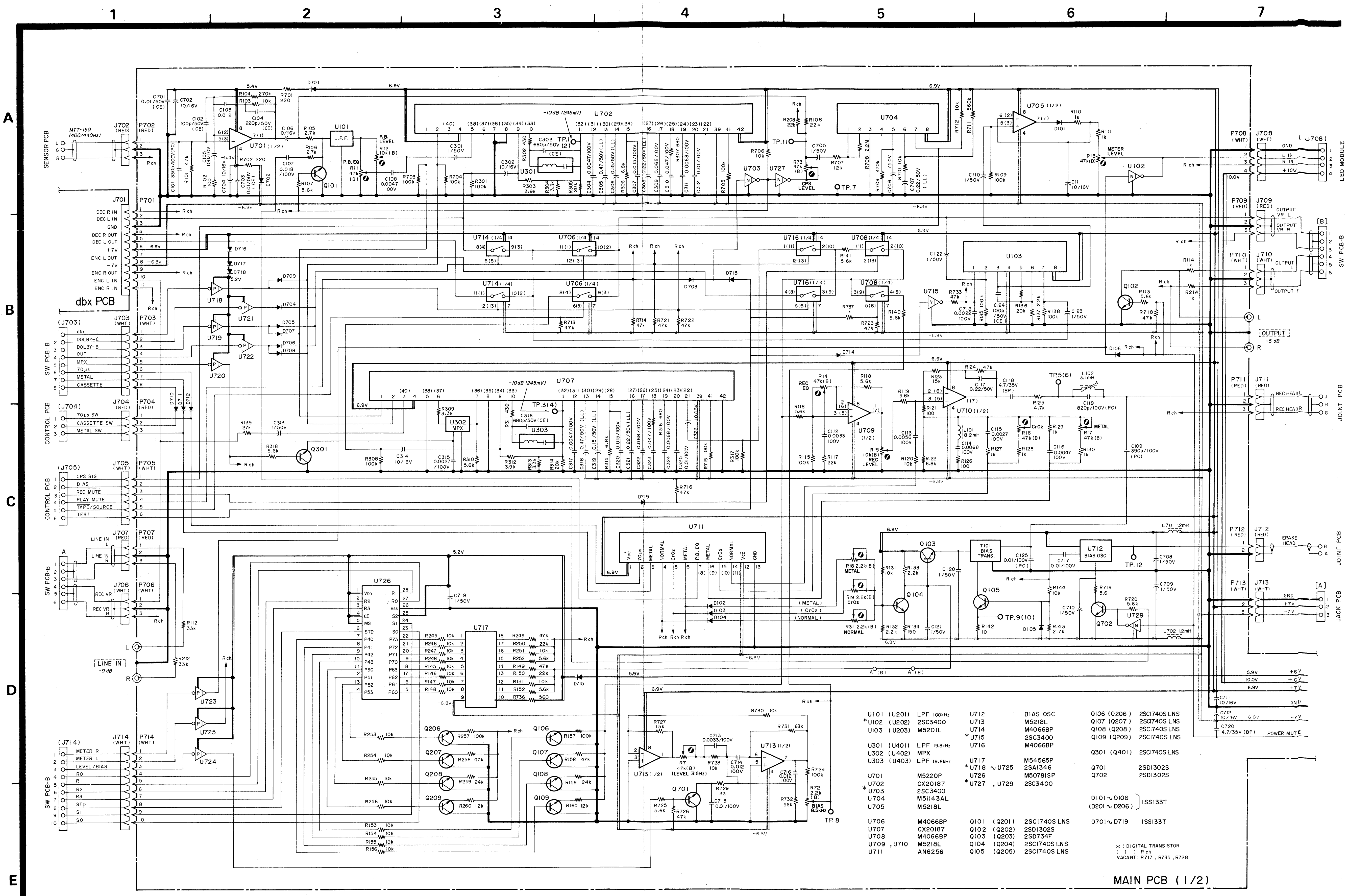
TEAC SCHEMATIC DIAGRAM **R-888X** (AMPLIFIER SECTION)


1
2
3
4
5
6
7
A
B
C
D
E
SENSOR PCB
MTT-150 (400/440Hz)
J702 (RED)
P702 (RED)
J701
P701
DEC R IN
DEC L IN
GND
DEC R OUT
DEC L OUT
+7V
ENC L OUT
−7V
ENC R OUT
ENC L IN
ENC R IN
dbx PCB
SW PCB-B
(J703)
J703 (WHT)
P703 (WHT)
dbx
DOLBY-C
DOLBY-B
OUT
MPX
70μs
METAL
CASSETTE
CONTROL PCB
(J704)
J704 (RED)
P704 (RED)
70μs SW
CASSETTE SW
METAL SW
(J705)
J705 (WHT)
P705 (WHT)
CPS SIG
BIAS
REC MUTE
PLAY MUTE
TAPE/SOURCE
TEST
J707 (RED)
P707 (RED)
LINE IN
J706 (WHT)
P706 (WHT)
REC VR
LINE IN −9 dB
(J714)
J714 (WHT)
P714 (WHT)
METER R
METER L
LEVEL/BIAS
R0
R1
R2
R3
STD
S1
S0
U101
L.P.F.
U701 (1/2)
U702
−10dB (245mV)
TP.1 (2)
U301
U703
U727
TP.11
CPS LEVEL
TP.7
U704
U705 (1/2)
METER LEVEL
U102
U714
U706
U716
U708
U103
U715
Q102
U718
U719
U720
U721
U722
U707
TP.3(4)
U302 MPX
U303
Q301
REC EQ
U709 (1/2)
REC LEVEL
U710 (1/2)
TP.5(6)
L102 3.1mH
U711
Q103
Q104
Q105
T101 BIAS TRANS.
U712 BIAS OSC
TP.12
Q702
U729
TP.9(10)
L701 1.2mH
L702 1.2mH
METAL
CrO2
NORMAL
U726
U717
U723
U725
U724
Q206
Q207
Q208
Q209
Q106
Q107
Q108
Q109
U713 (1/2)
Q701
LEVEL 315Hz
BIAS 8.5kHz
TP.8
P708 (WHT)
J708 (WHT)
(J708)
GND
L IN
R IN
+10V
LED MODULE
P709 (RED)
J709 (RED)
OUTPUT VR L
OUTPUT VR R
[B]
P710 (WHT)
J710 (WHT)
OUTPUT L
OUTPUT R
SW PCB-B
OUTPUT −5 dB
L
R
P711 (RED)
J711 (RED)
REC HEAD L
REC HEAD R
JOINT PCB
P712 (RED)
J712 (RED)
ERASE HEAD
JOINT PCB
P713 (WHT)
J713 (WHT)
[A]
GND
+7V
−7V
JACK PCB
+6V
+10V
+7V
GND
−7V
POWER MUTE
6.9V
−6.8V
5.2V
5.9V
10.0V

U101	(U201)	LPF 100kHz
*U102	(U202)	2SC3400
U103	(U203)	M5201L
U301	(U401)	LPF 19.8kHz
U302	(U402)	MPX
U303	(U403)	LPF 19.8kHz
U701		M5220P
U702		CX20187
*U703		2SC3400
U704		M51143AL
U705		M5218L
U706		M4066BP
U707		CX20187
U708		M4066BP
U709	, U710	M5218L
U711		AN6256
U712		BIAS OSC
U713		M5218L
U714		M4066BP
*U715		2SC3400
U716		M4066BP
U717		M54565P
*U718	∿ U725	2SA1346
U726		M50781SP
*U727	, U729	2SC3400
Q101	(Q201)	2SC1740S LNS
Q102	(Q202)	2SD1302S
Q103	(Q203)	2SD734F
Q104	(Q204)	2SC1740S LNS
Q105	(Q205)	2SC1740S LNS
Q106	(Q206)	2SC1740S LNS
Q107	(Q207)	2SC1740S LNS
Q108	(Q208)	2SC1740S LNS
Q109	(Q209)	2SC1740S LNS
Q301	(Q401)	2SC1740S LNS
Q701		2SD1302S
Q702		2SD1302S
D101 ∿ D106	(D201 ∿ D206)	1SS133T
D701 ∿ D719		1SS133T

* : DIGITAL TRANSISTOR
( ) : R ch
VACANT : R717 , R735 , R728

MAIN PCB (1/2)

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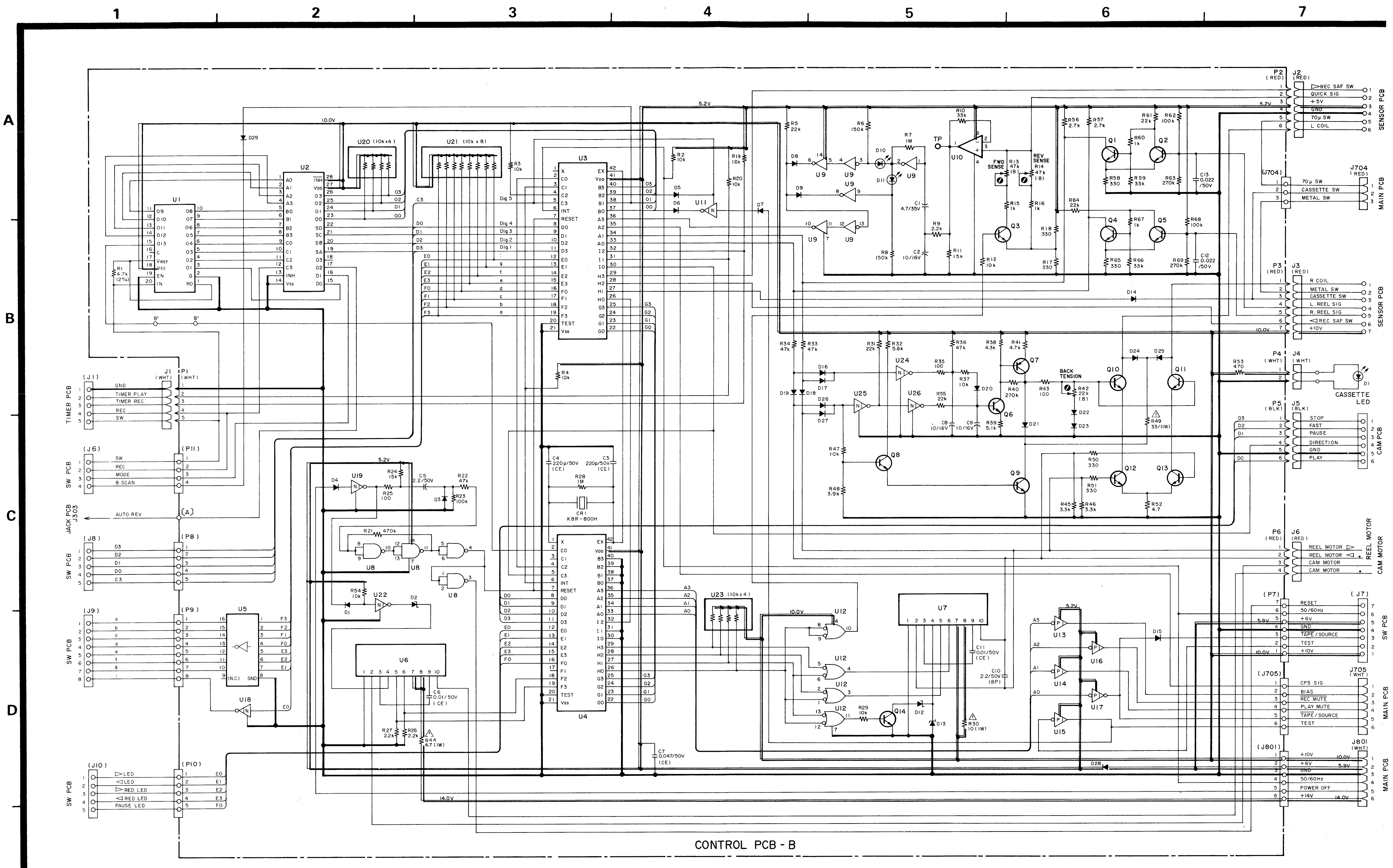
TEAC SCHEMATIC DIAGRAM **R-888X** (CONTROL PCB)



1
2
3
4
5
6
7
A
B
C
D
E
U1
U2
U3
U4
U5
U6
U7
U8
U9
U10
U11
U12
U13
U14
U15
U16
U17
U18
U19
U20 (10k x 4)
U21 (10k x 8)
U22
U23 (10k x 4)
U24
U25
U26
5.2V
10.0V
14.0V
5.9V
TP
FWD SENSE
REV SENSE
BACK TENSION
CR1 KBR-800H
(J1) J1 P1 (WHT)
TIMER PCB
GND
TIMER PLAY
TIMER REC
REC
SW
(J6) (P11)
SW PCB
SW
REC
MODE
B.SCAN
JACK PCB J303
AUTO REV
(A)
(J8) (P8)
(J9) (P9)
(J10) (P10)
▷LED
◁LED
▷RED LED
◁RED LED
PAUSE LED
P2 (RED) J2 (RED)
▷REC SAF SW
QUICK SIG
+5V
GND
70μ SW
L COIL
SENSOR PCB
(J704) J704 (RED)
70μ SW
CASSETTE SW
METAL SW
MAIN PCB
P3 (RED) J3 (RED)
R COIL
METAL SW
CASSETTE SW
L.REEL SIG
R.REEL SIG
◁REC SAF SW
+10V
P4 (WHT) J4 (WHT)
CASSETTE LED
P5 (BLK) J5 (BLK)
STOP
FAST
PAUSE
DIRECTION
GND
PLAY
CAM PCB
P6 (RED) J6 (RED)
REEL MOTOR ▷
REEL MOTOR ◁
CAM MOTOR
CAM MOTOR
REEL MOTOR
CAM MOTOR
(P7) (J7)
RESET
50/60Hz
+6V
GND
TAPE/SOURCE
TEST
+10V
(J705) J705 (WHT)
CPS SIG
BIAS
REC MUTE
PLAY MUTE
TAPE/SOURCE
TEST
(J801) J801 (WHT)
+10V
+6V
GND
50/60Hz
POWER OFF
+14V
CONTROL PCB - B

U1	LB1475	U8	μPD4011BC	U18 , U19	2SC3400	Q1 ∼ Q6	2SC1740S LNS	D1	1SS133T	D14 ∼ D27	1SS133T
U2	LC7800	U9	TC4069BP	U20	10kΩ x 4			D2	RD11EL2		
U3	LM6402H-421	U10	LA6358	U21	10kΩ x 8	Q7	2SA933S LNS	D3 ∼ D9	1SS133T		
U4	LM6402H-422	U11	2SC3400	U22	2SC3400	Q8	2SC1740S LNS	D10 , D11	SLP135B	D28	DS135D
U5	M54517P	U12	μPD4011BC	U23	10kΩ x 4	Q9∼Q13	2SD734F	D12	RD3.3EL2	D29	1SS133T
U6 , U7	BA6209	U13 ∼ U17	2SA1346	U24∼U26	2SC3400	Q14	2SC1740S LNS	D13	RD6.2EL2		

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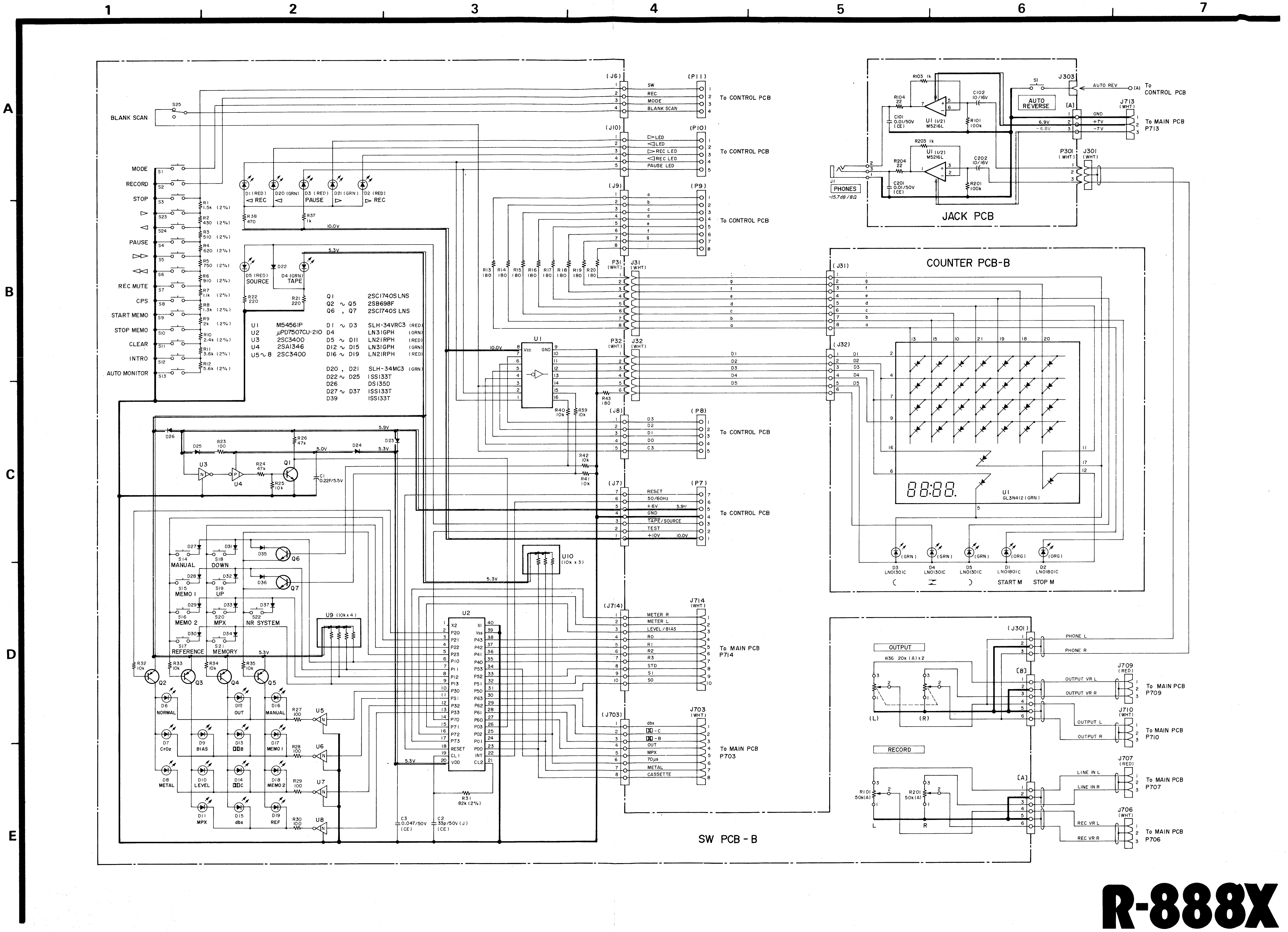
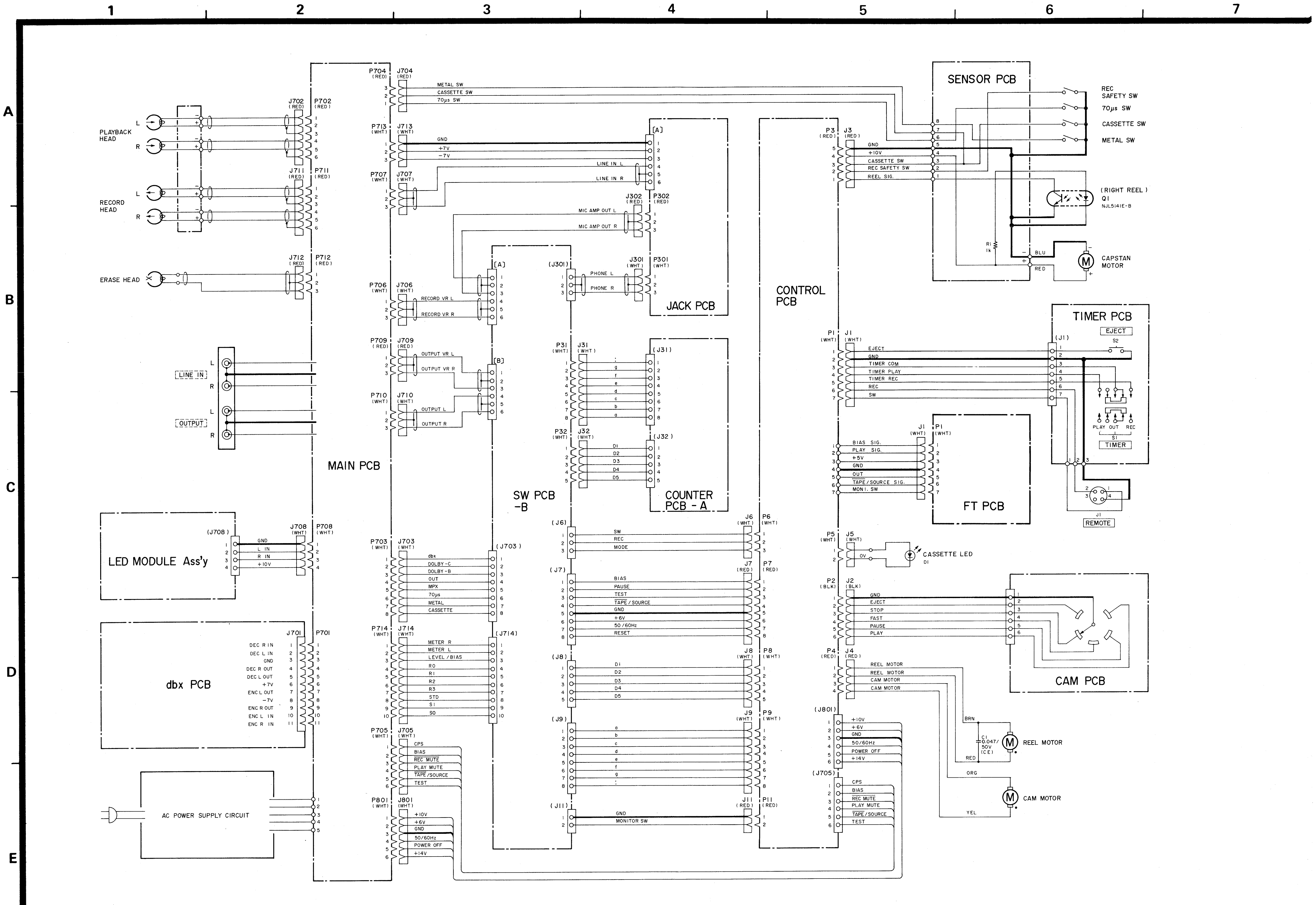
TEAC SCHEMATIC DIAGRAM **R-888X** (SW PCB, JACK PCB, COUNTER PCB)


1
2
3
4
5
6
7
A
B
C
D
E
BLANK SCAN
S25
MODE
RECORD
STOP
PAUSE
REC MUTE
CPS
START MEMO
STOP MEMO
CLEAR
INTRO
AUTO MONITOR
R1 1.5k (2%)
R2 430 (2%)
R3 510 (2%)
R4 620 (2%)
R5 750 (2%)
R6 910 (2%)
R7 1.1k (2%)
R8 1.3k (2%)
R9 2k (2%)
R10 2.4k (2%)
R11 3.6k (2%)
R12 5.6k (2%)
D1 (RED) ◁ REC
D20 (GRN) ◁
D3 (RED) PAUSE
D21 (GRN) ▷
D2 (RED) ▷ REC
R38 470
R37 1k
10.0V
5.3V
D5 (RED) SOURCE
D22
D4 (GRN) TAPE
R22 220
R21 220
Q1 2SC1740S LNS
Q2 ~ Q5 2SB698F
Q6 , Q7 2SC1740S LNS
U1 M54561P
U2 µPD7507CU-210
U3 2SC3400
U4 2SA1346
U5~8 2SC3400
D1 ~ D3 SLH-34VRC3 (RED)
D4 LN31GPH (GRN)
D5 ~ D11 LN21RPH (RED)
D12 ~ D15 LN31GPH (GRN)
D16 ~ D19 LN21RPH (RED)
D20 , D21 SLH-34MC3 (GRN)
D22 ~ D25 ISS133T
D26 DS135D
D27 ~ D37 ISS133T
D39 ISS133T
(J6)
(P11)
SW
REC
MODE
BLANK SCAN
To CONTROL PCB
(J10)
(P10)
▷LED
◁LED
▷REC LED
◁REC LED
PAUSE LED
To CONTROL PCB
(J9)
(P9)
a
b
c
d
e
f
g
To CONTROL PCB
R13 180
R14 180
R15 180
R16 180
R17 180
R18 180
R19 180
R20 180
P31 (WHT)
J31 (WHT)
P32 (WHT)
J32 (WHT)
U1
Vcc
GND
R43 180
R40 10k
R39 10k
(J8)
(P8)
D3
D2
D1
D0
C3
To CONTROL PCB
R42 10k
R41 10k
(J7)
(P7)
RESET
50/60Hz
+6V
5.9V
GND
TAPE/SOURCE
TEST
+10V
10.0V
To CONTROL PCB
D26
5.9V
R23 100
D25
R26 47k
D24
D23
5.0V
5.3V
U3
U4
R24 47k
Q1
R25 10k
C1 0.22F/5.5V
D27
D31
S14 MANUAL
S18 DOWN
D35
Q6
D28
D32
S15 MEMO 1
S19 UP
D36
Q7
D29
D33
D37
S16 MEMO 2
S20 MPX
S22 NR SYSTEM
D30
D34
S17 REFERENCE
S21 MEMORY
U9 (10k x 4)
U10 (10k x 3)
U2
X2
P20
P21
P22
P23
P10
P11
P12
P13
P30
P31
P32
P33
P70
P71
P72
P73
RESET
CL1
VDD
X1
Vss
P43
P42
P41
P40
P53
P52
P51
P50
P63
P62
P61
P60
P03
P02
P01
P00
INT
CL2
R31 82k (2%)
C3 0.047/50V (CE)
C2 33p/50V (J) (CE)
R32 10k
R33 10k
R34 10k
R35 10k
Q2
Q3
Q4
Q5
D6 NORMAL
D12 OUT
D16 MANUAL
D7 CrO2
D9 BIAS
D13 DD B
D17 MEMO 1
D8 METAL
D10 LEVEL
D14 DD C
D18 MEMO 2
D11 MPX
D15 dbx
D19 REF
R27 100
R28 100
R29 100
R30 100
U5
U6
U7
U8
(J714)
J714 (WHT)
METER R
METER L
LEVEL/BIAS
R0
R1
R2
R3
STD
S1
S0
To MAIN PCB P714
(J703)
J703 (WHT)
dbx
DD-C
DD-B
OUT
MPX
70µs
METAL
CASSETTE
To MAIN PCB P703
SW PCB - B
R103 1k
R104 22
C101 0.01/50V (CE)
U1 (1/2) M5216L
C102 10/16V
R101 100k
S1
AUTO REVERSE
J303
AUTO REV
To CONTROL PCB
[A]
GND
6.9V
-6.8V
+7V
-7V
J713 (WHT)
To MAIN PCB P713
R203 1k
R204 22
C201 0.01/50V (CE)
U1 (1/2) M5216L
C202 10/16V
R201 100k
J1
PHONES
-15.7dB/8Ω
P301 (WHT)
J301 (WHT)
JACK PCB
COUNTER PCB-B
(J31)
(J32)
D1
D2
D3
D4
D5
88:88.
U1 GL3N412 (GRN)
D3 (GRN) LN01301C (
D4 (GRN) LN01301C ⌅
D5 (GRN) LN01301C)
D1 (ORG) LN01801C START M
D2 (ORG) LN01801C STOP M
(J301)
PHONE L
PHONE R
OUTPUT
R36 20k (A) x 2
(L)
(R)
[B]
OUTPUT VR L
OUTPUT VR R
J709 (RED)
To MAIN PCB P709
OUTPUT L
OUTPUT R
J710 (WHT)
To MAIN PCB P710
RECORD
R101 50k (A)
R201 50k (A)
L
R
[A]
LINE IN L
LINE IN R
J707 (RED)
To MAIN PCB P707
REC VR L
REC VR R
J706 (WHT)
To MAIN PCB P706

R-888X

1st Issue; September, 1985

TEAC SCHEMATIC DIAGRAM **V-850X** (WIRING)

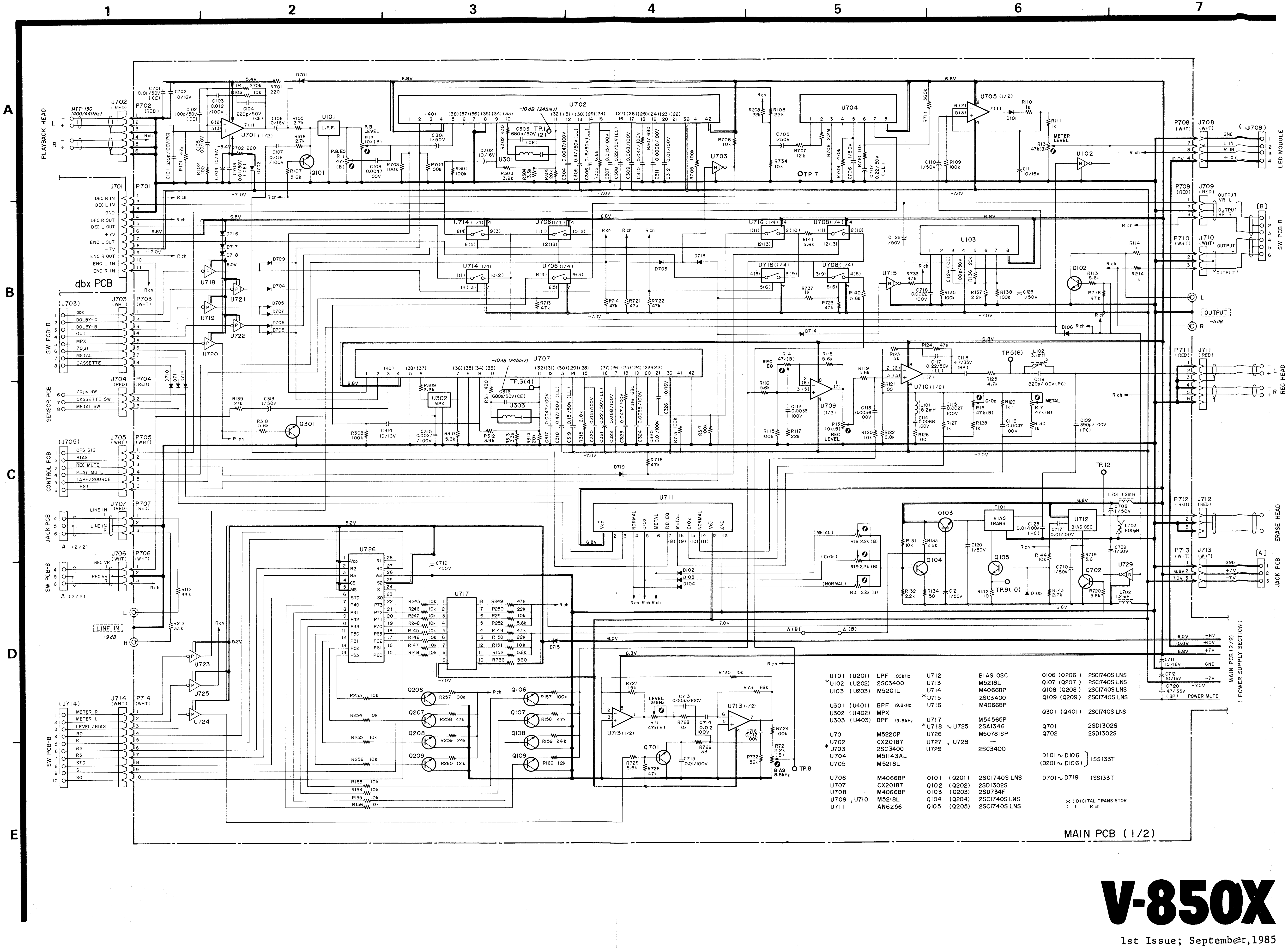


1
2
3
4
5
6
7
A
B
C
D
E
PLAYBACK HEAD
RECORD HEAD
ERASE HEAD
LINE IN
OUTPUT
L
R
LED MODULE Ass'y
dbx PCB
AC POWER SUPPLY CIRCUIT
MAIN PCB
SW PCB -B
JACK PCB
COUNTER PCB - A
CONTROL PCB
SENSOR PCB
TIMER PCB
FT PCB
CAM PCB
J702 (RED) P702 (RED)
J711 (RED) P711 (RED)
J712 (RED) P712 (RED)
J708 (WHT) P708 (WHT)
(J708)
J701 P701
P704 (RED) J704 (RED)
P713 (WHT) J713 (WHT)
P707 (WHT) J707 (WHT)
P706 (WHT) J706 (WHT)
P709 (RED) J709 (RED)
P710 (WHT) J710 (WHT)
P703 (WHT) J703 (WHT)
P714 (WHT) J714 (WHT)
P705 (WHT) J705 (WHT)
P801 (WHT) J801 (WHT)
J302 (RED) P302 (RED)
J301 (WHT) P301 (WHT)
(J301)
P31 (WHT) J31 (WHT)
P32 (WHT) J32 (WHT)
(J31)
(J32)
(J703)
(J714)
(J6) (J7) (J8) (J9) (J11)
J6 (WHT) P6 (WHT)
J7 (RED) P7 (RED)
J8 (WHT) P8 (WHT)
J9 (WHT) P9 (WHT)
J11 (RED) P11 (RED)
P3 (RED) J3 (RED)
P1 (WHT) J1 (WHT)
J1 (WHT) P1 (WHT)
P5 (WHT) J5 (WHT)
P2 (BLK) J2 (BLK)
P4 (RED) J4 (RED)
(J801)
(J705)
(J1)
[A]
[B]
METAL SW
CASSETTE SW
70μs SW
GND
+7V
−7V
LINE IN L
LINE IN R
MIC AMP OUT L
MIC AMP OUT R
RECORD VR L
RECORD VR R
PHONE L
PHONE R
OUTPUT VR L
OUTPUT VR R
OUTPUT L
OUTPUT R
L IN
R IN
+10V
DEC R IN
DEC L IN
DEC R OUT
DEC L OUT
ENC L OUT
ENC R OUT
ENC L IN
ENC R IN
dbx
DOLBY-C
DOLBY-B
OUT
MPX
70μs
METAL
CASSETTE
METER R
METER L
LEVEL / BIAS
R0
R1
R2
R3
STD
S1
S0
CPS
BIAS
REC MUTE
PLAY MUTE
TAPE / SOURCE
TEST
+6V
50/60Hz
POWER OFF
+14V
D1
D2
D3
D4
D5
a
b
c
d
e
f
g
:
SW
REC
MODE
PAUSE
RESET
MONITOR SW
+10V
CASSETTE SW
REC SAFETY SW
REEL SIG.
REC SAFETY SW
70μs SW
CASSETTE SW
METAL SW
(RIGHT REEL)
Q1
NJL5141E-B
R1 1k
BLU
RED
CAPSTAN MOTOR
M
EJECT
S2
TIMER COM
TIMER PLAY
TIMER REC
PLAY OUT REC
S1
TIMER
J1
REMOTE
BIAS SIG.
PLAY SIG.
+5V
TAPE / SOURCE SIG.
MONI. SW
0V
CASSETTE LED
D1
STOP
FAST
PLAY
REEL MOTOR
CAM MOTOR
BRN
C1 0.047/50V (CE)
ORG
YEL

V-850X

1st Issue; September,1985

TEAC SCHEMATIC DIAGRAM **V-850X** (AMPLIFIER SECTION)


1
2
3
4
5
6
7
A
B
C
D
E
PLAYBACK HEAD
MTT-150 (400/440Hz)
J702 (RED)
P702 (RED)
J701
P701
DEC R IN
DEC L IN
GND
DEC R OUT
DEC L OUT
+7V
ENC L OUT
−7V
ENC R OUT
ENC L IN
ENC R IN
dbx PCB
SW PCB-B
(J703)
J703 (WHT)
P703 (WHT)
dbx
DOLBY-C
DOLBY-B
OUT
MPX
70μs
METAL
CASSETTE
SENSOR PCB
J704 (RED)
P704 (RED)
70μs SW
CASSETTE SW
METAL SW
CONTROL PCB
(J705)
J705 (WHT)
P705 (WHT)
CPS SIG
BIAS
REC MUTE
PLAY MUTE
TAPE/SOURCE
TEST
JACK PCB
J707 (RED)
P707 (RED)
LINE IN
J706 (WHT)
P706 (WHT)
REC VR
LINE IN −9dB
(J714)
J714 (WHT)
P714 (WHT)
METER R
METER L
LEVEL/BIAS
R0
R1
R2
R3
STD
S1
S0
U101 L.P.F.
P.B. LEVEL
P.B. EQ
U701 (1/2)
U702
−10dB (245mV)
TP.1 (2)
U301
U703
U704
TP.7
U705 (1/2)
METER LEVEL
U102
U714 (1/4)
U706 (1/4)
U716 (1/4)
U708 (1/4)
U103
U715
Q102
U718
U719
U720
U721
U722
U707
TP.3 (4)
U302 MPX
U303
Q301
REC EQ
U709 (1/2)
REC LEVEL
U710 (1/2)
TP.5 (6)
METAL
CrO2
U711
NORMAL
TP.12
Q103
T101 BIAS TRANS.
U712 BIAS OSC
L701 1.2mH
L703 600μH
Q104
Q105
TP.9 (10)
Q702
U729
L702 1.2mH
U726
U717
U723
U725
U724
Q206
Q207
Q208
Q209
Q106
Q107
Q108
Q109
U713 (1/2)
LEVEL 315Hz
Q701
BIAS 8.5kHz
TP.8
P708 (WHT)
J708 (WHT)
(J708)
GND
L IN
R IN
+10V
LED MODULE
P709 (RED)
J709 (RED)
OUTPUT VR L
OUTPUT VR R
P710 (WHT)
J710 (WHT)
OUTPUT
[B]
SW PCB-B
OUTPUT −5dB
P711 (RED)
J711 (RED)
REC HEAD
P712 (RED)
J712 (RED)
ERASE HEAD
P713 (WHT)
J713 (WHT)
[A]
JACK PCB
6.0V +6V
10.0V +10V
6.8V +7V
GND
−7V
−7.0V
POWER MUTE
MAIN PCB (2/2) (POWER SUPPLY SECTION)
MAIN PCB (1/2)

U101	(U201)	LPF 100kHz	U712		BIAS OSC	Q106 (Q206)	2SC1740S LNS
*U102	(U202)	2SC3400	U713		M5218L	Q107 (Q207)	2SC1740S LNS
U103	(U203)	M5201L	U714		M4066BP	Q108 (Q208)	2SC1740S LNS
			*U715		2SC3400	Q109 (Q209)	2SC1740S LNS
U301	(U401)	BPF 19.8kHz	U716		M4066BP		
U302	(U402)	MPX				Q301 (Q401)	2SC1740S LNS
U303	(U403)	BPF 19.8kHz	U717		M54565P		
			*U718	∼ U725	2SA1346	Q701	2SD1302S
U701		M5220P	U726		M50781SP	Q702	2SD1302S
U702		CX20187	U727	, U728	—		
*U703		2SC3400	U729		2SC3400		
U704		M51143AL				D101∼D106 (D201∼D106)	1SS133T
U705		M5218L					
U706		M4066BP	Q101	(Q201)	2SC1740S LNS	D701∼D719	1SS133T
U707		CX20187	Q102	(Q202)	2SD1302S		
U708		M4066BP	Q103	(Q203)	2SD734F		
U709	, U710	M5218L	Q104	(Q204)	2SC1740S LNS		
U711		AN6256	Q105	(Q205)	2SC1740S LNS		

* : DIGITAL TRANSISTOR
( ) : R ch

V-850X

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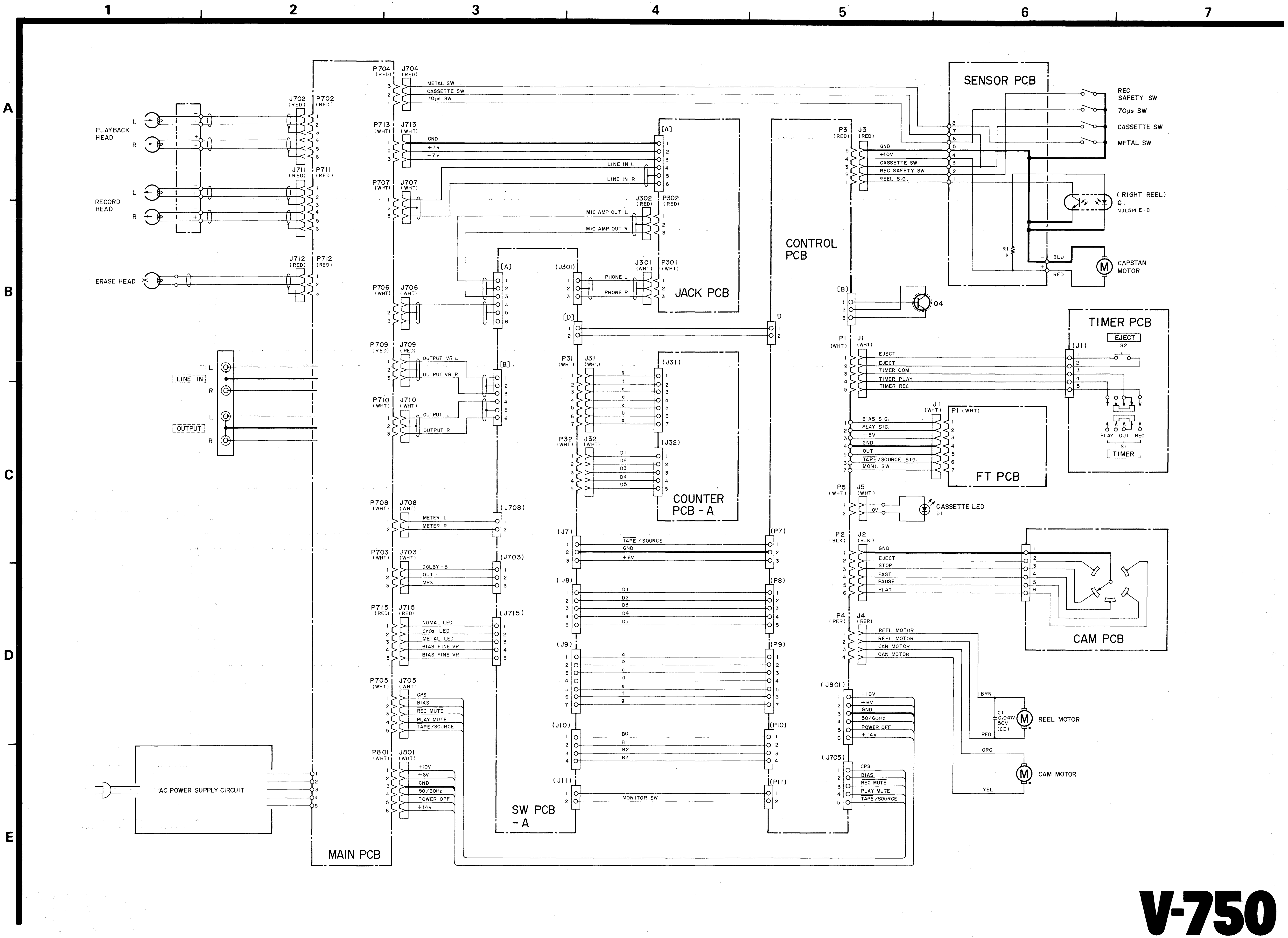
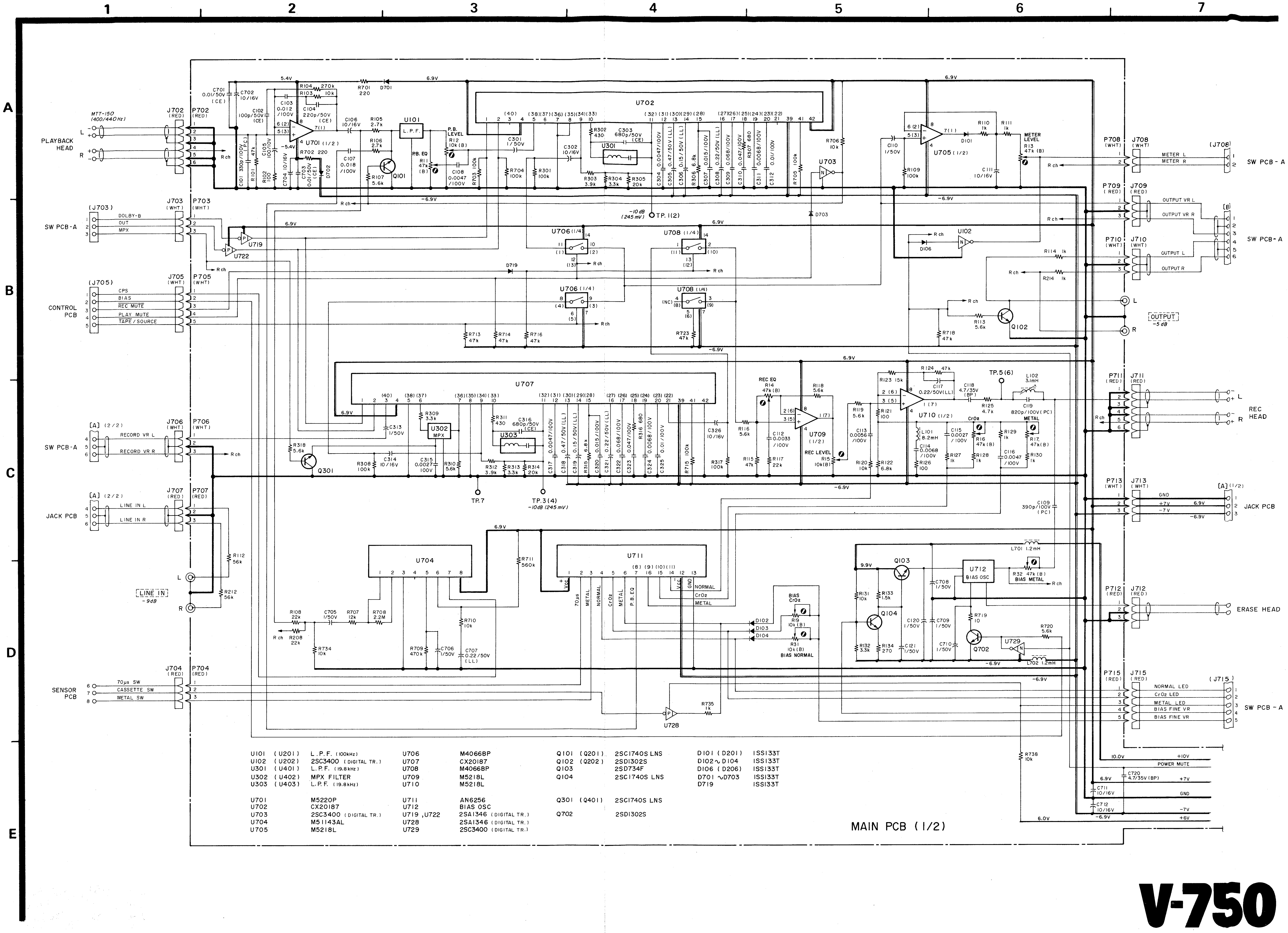
TEAC SCHEMATIC DIAGRAM **V-750** (WIRING)


1
2
3
4
5
6
7
A
B
C
D
E
PLAYBACK HEAD
RECORD HEAD
ERASE HEAD
LINE IN
OUTPUT
AC POWER SUPPLY CIRCUIT
MAIN PCB
P704 (RED) J704 (RED)
METAL SW
CASSETTE SW
70μs SW
J702 (RED) P702 (RED)
J711 (RED) P711 (RED)
J712 (RED) P712 (RED)
P713 (WHT) J713 (WHT)
GND
+7V
−7V
LINE IN L
LINE IN R
P707 (WHT) J707 (WHT)
J302 (RED) P302 (RED)
MIC AMP OUT L
MIC AMP OUT R
J301 (WHT) P301 (WHT)
PHONE L
PHONE R
JACK PCB
P706 (WHT) J706 (WHT)
P709 (RED) J709 (RED)
OUTPUT VR L
OUTPUT VR R
P710 (WHT) J710 (WHT)
OUTPUT L
OUTPUT R
P708 (WHT) J708 (WHT)
METER L
METER R
P703 (WHT) J703 (WHT)
DOLBY-B
OUT
MPX
P715 (RED) J715 (RED)
NOMAL LED
CrO2 LED
METAL LED
BIAS FINE VR
BIAS FINE VR
P705 (WHT) J705 (WHT)
CPS
BIAS
REC MUTE
PLAY MUTE
TAPE/SOURCE
P801 (WHT) J801 (WHT)
+10V
+6V
GND
50/60Hz
POWER OFF
+14V
SW PCB - A
P31 (WHT) J31 (WHT)
P32 (WHT) J32 (WHT)
D1
D2
D3
D4
D5
COUNTER PCB - A
TAPE/SOURCE
GND
+6V
B0
B1
B2
B3
MONITOR SW
CONTROL PCB
P3 (RED) J3 (RED)
GND
+10V
CASSETTE SW
REC SAFETY SW
REEL SIG.
SENSOR PCB
REC SAFETY SW
70μs SW
CASSETTE SW
METAL SW
(RIGHT REEL)
Q1
NJL5141E-B
R1 1k
BLU
RED
CAPSTAN MOTOR
Q4
TIMER PCB
EJECT
S2
P1 (WHT) J1 (WHT)
EJECT
EJECT
TIMER COM
TIMER PLAY
TIMER REC
PLAY OUT REC
S1
TIMER
J1 (WHT) P1 (WHT)
BIAS SIG.
PLAY SIG.
+5V
GND
OUT
TAPE/SOURCE SIG.
MONI. SW
FT PCB
P5 (WHT) J5 (WHT)
0V
CASSETTE LED
D1
P2 (BLK) J2 (BLK)
GND
EJECT
STOP
FAST
PAUSE
PLAY
CAM PCB
P4 (RER) J4 (RER)
REEL MOTOR
REEL MOTOR
CAM MOTOR
CAM MOTOR
BRN
C1 0.047/50V (CE)
REEL MOTOR
RED
ORG
CAM MOTOR
YEL

V-750

1st Issue; September,1985

TEAC SCHEMATIC DIAGRAM **V-750** (AMPLIFIER SECTION)


1
2
3
4
5
6
7
A
B
C
D
E
PLAYBACK HEAD
MTT-150 (400/440Hz)
L
R
J702 (RED)
P702 (RED)
SW PCB-A
(J703)
DOLBY-B
OUT
MPX
J703 (WHT)
P703 (WHT)
CONTROL PCB
(J705)
CPS
BIAS
REC MUTE
PLAY MUTE
TAPE / SOURCE
J705 (WHT)
P705 (WHT)
SW PCB-A
[A] (2/2)
RECORD VR L
RECORD VR R
J706 (WHT)
P706 (WHT)
JACK PCB
[A] (2/2)
LINE IN L
LINE IN R
J707 (RED)
P707 (RED)
LINE IN -9dB
SENSOR PCB
70μs SW
CASSETTE SW
METAL SW
J704 (RED)
P704 (RED)
U701 (1/2)
U101 L.P.F.
P.B. LEVEL R12 10k (B)
PB. EQ R11 47k (B)
Q101
U702
TP.1(2) -10dB (245mV)
U301
U703
D703
U706 (1/4)
U708 (1/4)
U719
U722
D719
R ch
6.9V
-6.9V
5.4V
-5.4V
U705 (1/2)
METER LEVEL R13 47k (B)
U102
D106
Q102
P708 (WHT)
J708 (WHT)
METER L
METER R
(J708)
SW PCB-A
P709 (RED)
J709 (RED)
OUTPUT VR L
OUTPUT VR R
P710 (WHT)
J710 (WHT)
OUTPUT L
OUTPUT R
SW PCB-A
OUTPUT -5dB
U707
U302 MPX
U303
Q301
TP.7
TP.3(4) -10dB (245mV)
REC EQ R14 47k (B)
U709 (1/2)
REC LEVEL R15 10k(B)
U710 (1/2)
TP.5(6)
L102 3.1mH
CrO2 R16 47k (B)
METAL R17 47k (B)
P711 (RED)
J711 (RED)
REC HEAD
P713 (WHT)
J713 (WHT)
GND
+7V
-7V
[A] (1/2)
JACK PCB
U704
U711
70μs
METAL
NORMAL
CrO2
P.B. EQ
VCC
GND
BIAS CrO2 R19 10k (B)
BIAS NORMAL R31 10k (B)
D102
D103
D104
Q103
Q104
U712 BIAS OSC
L701 1.2mH
R32 47k (B) BIAS METAL
Q702
U729
L702 1.2mH
U728
P712 (RED)
J712 (RED)
ERASE HEAD
P715 (RED)
J715 (RED)
NORMAL LED
CrO2 LED
METAL LED
BIAS FINE VR
BIAS FINE VR
(J715)
SW PCB-A
10.0V
+10V
POWER MUTE
+7V
GND
-7V
+6V
6.0V
C720 4.7/35V (BP)
C711 10/16V
C712 10/16V
MAIN PCB (1/2)

U101 (U201)	L.P.F. (100kHz)	U706	M4066BP	Q101 (Q201)	2SC1740S LNS	D101 (D201)	1SS133T
U102 (U202)	2SC3400 (DIGITAL TR.)	U707	CX20187	Q102 (Q202)	2SD1302S	D102∿D104	1SS133T
U301 (U401)	L.P.F. (19.8kHz)	U708	M4066BP	Q103	2SD734F	D106 (D206)	1SS133T
U302 (U402)	MPX FILTER	U709	M5218L	Q104	2SC1740S LNS	D701 ∿D703	1SS133T
U303 (U403)	L.P.F. (19.8kHz)	U710	M5218L			D719	1SS133T
U701	M5220P	U711	AN6256	Q301 (Q401)	2SC1740S LNS		
U702	CX20187	U712	BIAS OSC				
U703	2SC3400 (DIGITAL TR.)	U719 ,U722	2SA1346 (DIGITAL TR.)	Q702	2SD1302S		
U704	M51143AL	U728	2SA1346 (DIGITAL TR.)				
U705	M5218L	U729	2SC3400 (DIGITAL TR.)				

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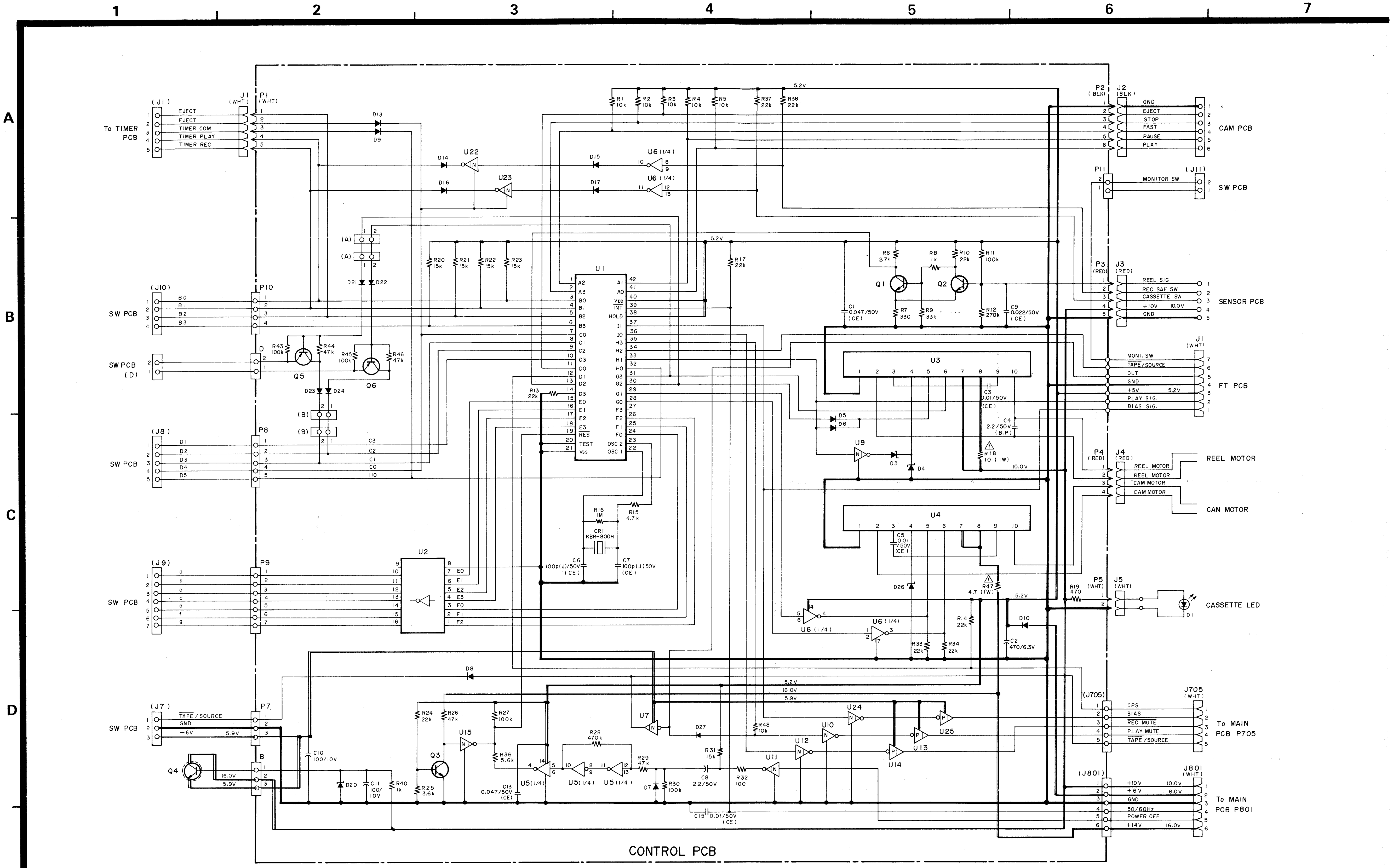
TEAC SCHEMATIC DIAGRAM **V-750** (CONTROL PCB)


1
2
3
4
5
6
7
A
B
C
D
To TIMER PCB
(J1)
J1 (WHT)
P1 (WHT)
EJECT
EJECT
TIMER COM
TIMER PLAY
TIMER REC
SW PCB
(J10)
P10
B0
B1
B2
B3
SW PCB (D)
D
SW PCB
(J8)
P8
D1
D2
D3
D4
D5
C3
C2
C1
C0
H0
SW PCB
(J9)
P9
a
b
c
d
e
f
g
SW PCB
(J7)
P7
TAPE / SOURCE
GND
+6V
5.9V
B
16.0V
5.9V
Q4
Q5
Q6
Q1
Q2
Q3
U1
U2
U3
U4
U5 (1/4)
U6 (1/4)
U7
U9
U10
U11
U12
U13
U14
U15
U22
U23
U24
U25
(A)
(B)
5.2V
16.0V
5.9V
10.0V
CR1
KBR-800H
R16
1M
R15
4.7k
C6
100p(J)/50V (CE)
C7
100p(J)50V (CE)
R18
10 (1W)
R47
4.7 (1W)
C2
470/6.3V
C15
0.01/50V (CE)
P2 (BLK)
J2 (BLK)
GND
EJECT
STOP
FAST
PAUSE
PLAY
CAM PCB
P11
(J11)
MONITOR SW
SW PCB
P3 (RED)
J3 (RED)
REEL SIG
REC SAF SW
CASSETTE SW
+10V
10.0V
GND
SENSOR PCB
J1 (WHT)
MONI. SW
TAPE/SOURCE
OUT
GND
+5V
5.2V
PLAY SIG.
BIAS SIG.
FT PCB
P4 (RED)
J4 (RED)
REEL MOTOR
REEL MOTOR
CAM MOTOR
CAM MOTOR
REEL MOTOR
CAN MOTOR
R19
470
P5 (WHT)
J5 (WHT)
D1
CASSETTE LED
(J705)
J705 (WHT)
CPS
BIAS
REC MUTE
PLAY MUTE
TAPE /SOURCE
To MAIN PCB P705
(J801)
J801 (WHT)
+10V
10.0V
+6V
6.0V
GND
50/60Hz
POWER OFF
+14V
16.0V
To MAIN PCB P801
CONTROL PCB

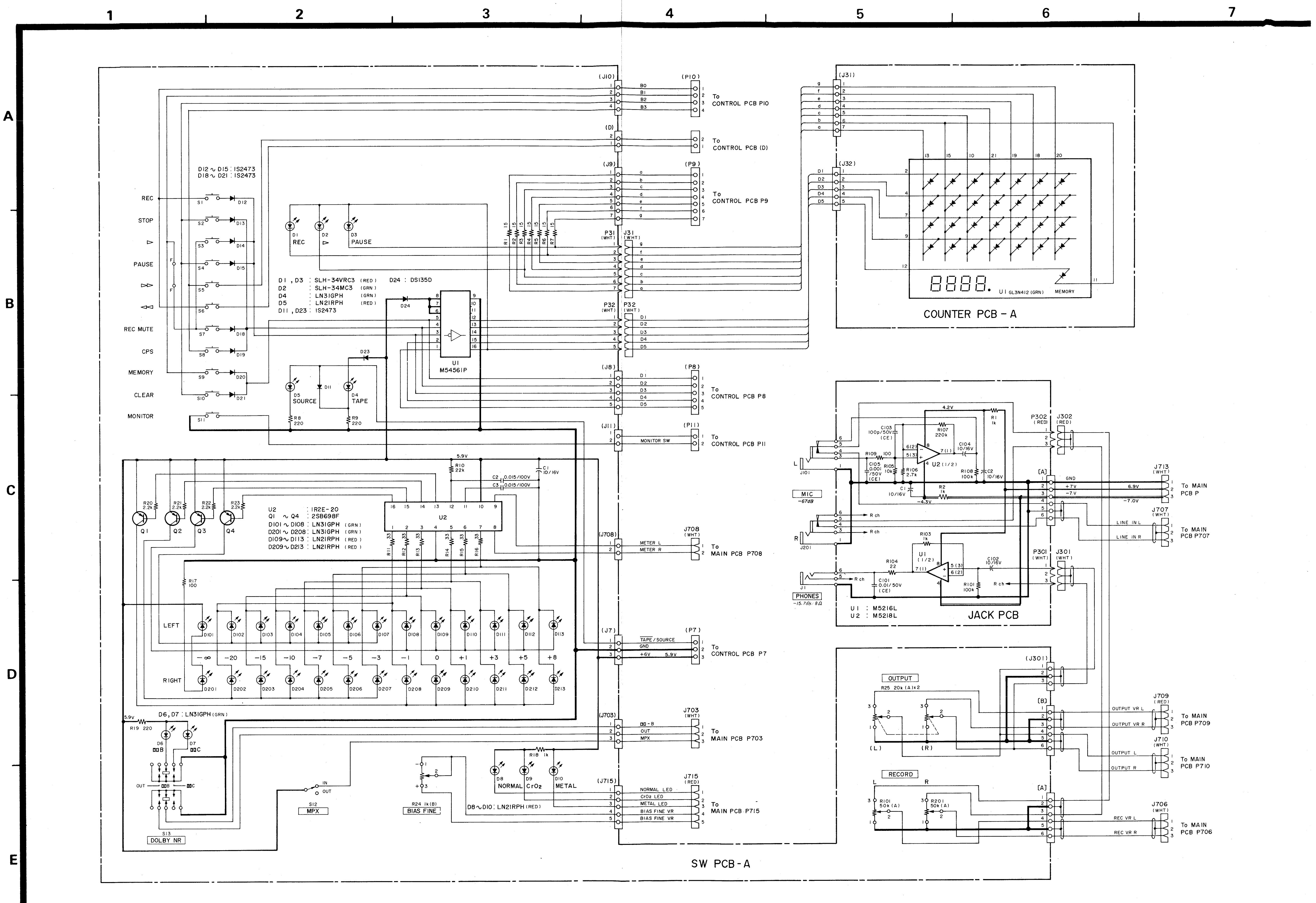
E

U1	LC6510C-751	U9 ~ U12	2SC3400			D3	RD3.3EL2	D20	RD6.8EL2
U2	M54517P	U13 , U14	2SA1346			D4	RD6.2EL2	D21 ~ D24	1S2473
U3 , U4	BA6209	U15	2SC3400	Q1 ~ Q3	2SC1740S LNS	D5 ~ D9	1S2473	D26	RD11EL2
U5 , U6	µPD4011BC	U22 ~ U24	2SC3400	(Q4	2SD313E)	D10	DS135D	D27	1S2473
U7	2SA1346	U25	2SA1346	Q5 , Q6	2SA933S LNS	D13 ~ D17	1S2473		
U8	—					D18, D19	—		

V-750

1st Issue; September,1985

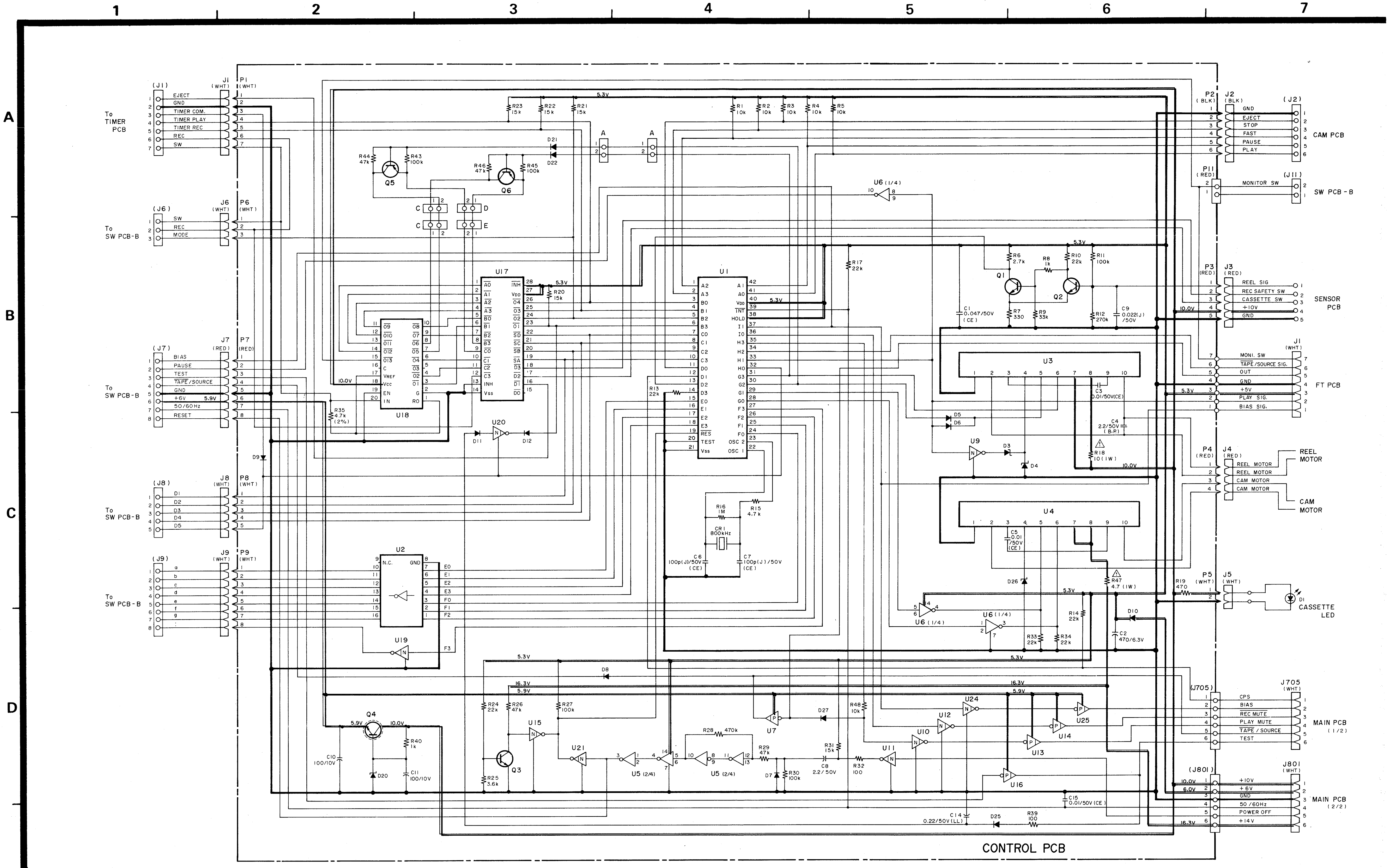
TEAC SCHEMATIC DIAGRAM V-750 (SW PCB, JACK PCB, COUNTER PCB)


1
2
3
4
5
6
7
A
B
C
D
E
REC
STOP
PAUSE
REC MUTE
CPS
MEMORY
CLEAR
MONITOR
D12 ~ D15 : IS2473
D18 ~ D21 : IS2473
D1 REC
D2
D3 PAUSE
D1 , D3 : SLH-34VRC3 (RED)
D2 : SLH-34MC3 (GRN)
D4 : LN31GPH (GRN)
D5 : LN21RPH (RED)
D11 , D23 : IS2473
D24 : DS135D
U1 M54561P
D5 SOURCE
D4 TAPE
R8 220
R9 220
To CONTROL PCB P10
To CONTROL PCB (D)
To CONTROL PCB P9
To CONTROL PCB P8
To CONTROL PCB P11
MONITOR SW
COUNTER PCB - A
U1 GL3N412 (GRN)
MEMORY
U2 : IR2E-20
Q1 ~ Q4 : 2SB698F
D101 ~ D108 : LN31GPH (GRN)
D201 ~ D208 : LN31GPH (GRN)
D109 ~ D113 : LN21RPH (RED)
D209 ~ D213 : LN21RPH (RED)
LEFT
RIGHT
-∞
-20
-15
-10
-7
-5
-3
-1
0
+1
+3
+5
+8
METER L
METER R
To MAIN PCB P708
TAPE/SOURCE
GND
+6V
5.9V
To CONTROL PCB P7
D6, D7 : LN31GPH (GRN)
S13 DOLBY NR
S12 MPX
IN
OUT
R24 1k(B) BIAS FINE
D8 NORMAL
D9 CrO2
D10 METAL
D8 ~ D10 : LN21RPH (RED)
To MAIN PCB P703
NORMAL LED
CrO2 LED
METAL LED
BIAS FINE VR
To MAIN PCB P715
SW PCB - A
MIC -67dB
PHONES -15.7dB, 8Ω
U1 : M5216L
U2 : M5218L
JACK PCB
To MAIN PCB P
To MAIN PCB P707
LINE IN L
LINE IN R
OUTPUT
R25 20k (A)x2
OUTPUT VR L
OUTPUT VR R
To MAIN PCB P709
OUTPUT L
OUTPUT R
To MAIN PCB P710
RECORD
R101 50k (A)
R201 50k (A)
REC VR L
REC VR R
To MAIN PCB P706

V-750

1st Issue; September,1985

TEAC SCHEMATIC DIAGRAM **V-850X** (CONTROL PCB)


1
2
3
4
5
6
7
A
B
C
D
E
To TIMER PCB
(J1)
J1 (WHT)
P1 (WHT)
EJECT
GND
TIMER COM.
TIMER PLAY
TIMER REC
REC
SW
To SW PCB-B
(J6)
J6 (WHT)
P6 (WHT)
SW
REC
MODE
(J7)
J7 (RED)
P7 (RED)
BIAS
PAUSE
TEST
TAPE/SOURCE
GND
+6V
50/60Hz
RESET
5.9V
(J8)
J8 (WHT)
P8 (WHT)
D1
D2
D3
D4
D5
(J9)
J9 (WHT)
P9 (WHT)
a
b
c
d
e
f
g
U1
U2
U3
U4
U17
U18
U19
U20
5.3V
10.0V
16.3V
5.9V
6.0V
R35 4.7k (2%)
R13 22k
R16 1M
R15 4.7k
CR1 800kHz
C6 100p(J)/50V (CE)
C7 100p(J)/50V (CE)
C1 0.047/50V (CE)
C9 0.022(J)/50V
C3 0.01/50V(CE)
C4 2.2/50V (B.P)
C5 0.01/50V (CE)
R18 10(1W)
R47 4.7(1W)
R19 470
C2 470/6.3V
R14 22k
R33 22k
R34 22k
Q1
Q2
Q3
Q4
Q5
Q6
R6 2.7k
R7 330
R8 1k
R9 33k
R10 22k
R11 100k
R12 270k
R17 22k
R1 10k
R2 10k
R3 10k
R4 10k
R5 10k
R21 15k
R22 15k
R23 15k
R20 15k
R43 100k
R44 47k
R45 100k
R46 47k
D21
D22
U6 (1/4)
P2 (BLK)
J2 (BLK)
(J2)
GND
EJECT
STOP
FAST
PAUSE
PLAY
CAM PCB
P11 (RED)
(J11)
MONITOR SW
SW PCB-B
P3 (RED)
J3 (RED)
REEL SIG
REC SAFETY SW
CASSETTE SW
+10V
GND
SENSOR PCB
J1 (WHT)
MONI. SW
TAPE/SOURCE SIG.
OUT
GND
+5V
PLAY SIG.
BIAS SIG.
FT PCB
P4 (RED)
J4 (RED)
REEL MOTOR
CAM MOTOR
P5 (WHT)
J5 (WHT)
D1
CASSETTE LED
D26
D10
D5
D6
D3
D4
D9
D11
D12
D8
D27
D7
D20
D25
U9
U7
U10
U11
U12
U13
U14
U15
U16
U21
U24
U25
U5 (2/4)
R24 22k
R25 3.6k
R26 47k
R27 100k
R28 470k
R29 47k
R30 100k
R31 15k
R32 100
R48 10k
R40 1k
C8 2.2/50V
C10 100/10V
C11 100/10V
C14 0.22/50V(LL)
C15 0.01/50V(CE)
R39 100
(J705)
J705 (WHT)
CPS
BIAS
REC MUTE
PLAY MUTE
TAPE/SOURCE
TEST
MAIN PCB (1/2)
(J801)
J801 (WHT)
+10V
+6V
GND
50/60Hz
POWER OFF
+14V
MAIN PCB (2/2)
CONTROL PCB

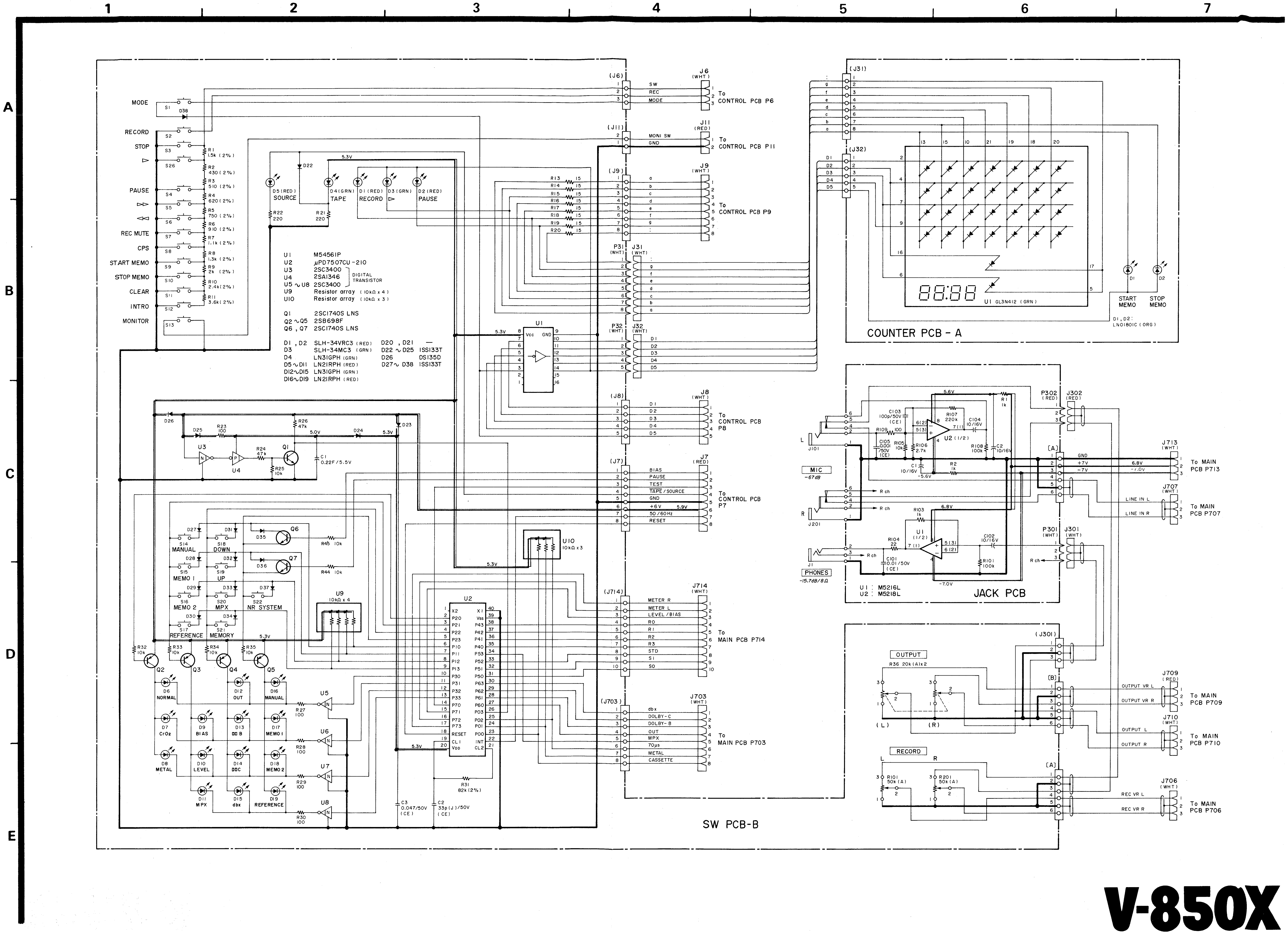
U1	LC6510C-751	U9 ∿ U12	2SC3400	U18	LB1475	Q1 ∿ Q3	2SC1740S LNS	D5 ∿ D9	1S2473	D21, D22	1S2473
U2	M54517P	U13, U14	2SA1346	U19 ∿ U21	2SC3400	Q4	2SD313E	D10	DS135D	D23, D24	—
U3, U4	BA6209	U15	2SC3400	U22, U23	—	Q5, Q6	2SA933S LNS	D11, D12	1S2473	D25	1SS133T
U5, U6	μPD4011BC	U16	2SA1346	U24	2SC3400			D13 ∿ D17	—	D26	RD11EL2
U7	2SA1346	U17	LC7800	U25	2SA1346	D3	RD3.3EL2 FR	D18, D19	—	D27	1S2473
U8	—			U26, U27	—	D4	RD6.2EL2 FR	D20	RD6.8EL2		

2SA1346 : DIGITAL TRANSISTOR
2SC3400 : DIGITAL TRANSISTOR

V-850X

1st Issue; September, 1985

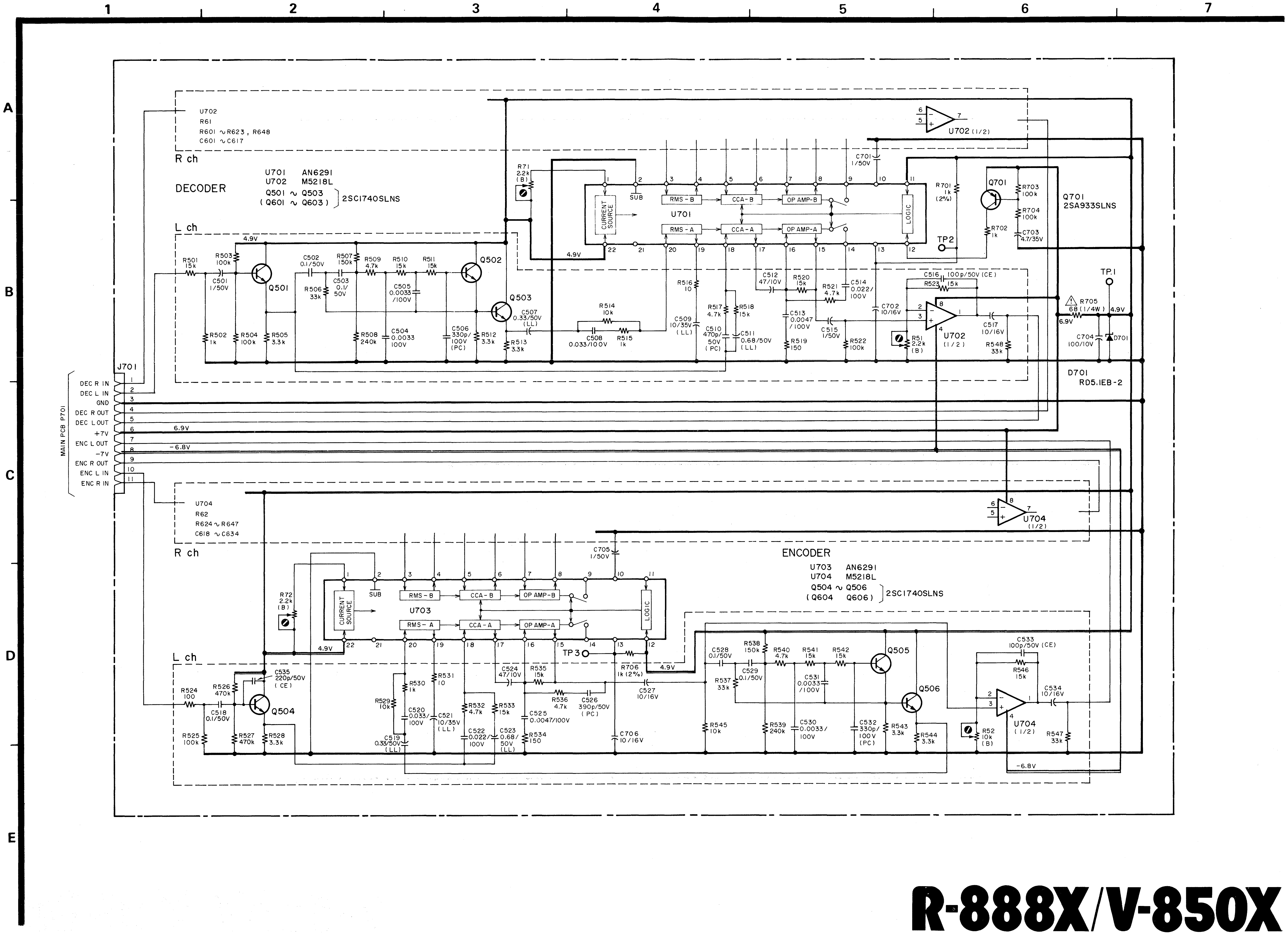
TEAC SCHEMATIC DIAGRAM V-850X (SW PCB, JACK PCB, COUNTER PCB)


1
2
3
4
5
6
7
A
B
C
D
E
MODE
RECORD
STOP
PAUSE
REC MUTE
CPS
START MEMO
STOP MEMO
CLEAR
INTRO
MONITOR
R1 1.5k (2%)
R2 430 (2%)
R3 510 (2%)
R4 620 (2%)
R5 750 (2%)
R6 910 (2%)
R7 1.1k (2%)
R8 1.3k (2%)
R9 2k (2%)
R10 2.4k (2%)
R11 3.6k (2%)
D5 (RED) SOURCE
D4 (GRN) TAPE
D1 (RED) RECORD
D3 (GRN)
D2 (RED) PAUSE
U1 M54561P
U2 µPD7507CU-210
U3 2SC3400
U4 2SA1346
U5 ∿ U8 2SC3400
DIGITAL TRANSISTOR
U9 Resistor array (10kΩ x 4)
U10 Resistor array (10kΩ x 3)
Q1 2SC1740S LNS
Q2 ∿ Q5 2SB698F
Q6, Q7 2SC1740S LNS
D1, D2 SLH-34VRC3 (RED)
D3 SLH-34MC3 (GRN)
D4 LN31GPH (GRN)
D5∿D11 LN21RPH (RED)
D12∿D15 LN31GPH (GRN)
D16∿D19 LN21RPH (RED)
D20, D21 —
D22 ∿ D25 1SS133T
D26 DS135D
D27 ∿ D38 1SS133T
To CONTROL PCB P6
To CONTROL PCB P11
To CONTROL PCB P9
To CONTROL PCB P8
To CONTROL PCB P7
To MAIN PCB P714
To MAIN PCB P703
SW
REC
MODE
MONI SW
GND
BIAS
PAUSE
TEST
TAPE / SOURCE
GND
+6V
50 / 60Hz
RESET
METER R
METER L
LEVEL / BIAS
STD
dbx
DOLBY-C
DOLBY-B
OUT
MPX
70µs
METAL
CASSETTE
S14 MANUAL
S18 DOWN
S15 MEMO 1
S19 UP
S16 MEMO 2
S20 MPX
S22 NR SYSTEM
S17 REFERENCE
S21 MEMORY
D6 NORMAL
D12 OUT
D16 MANUAL
D7 CrO2
D9 BIAS
D13 DD B
D17 MEMO I
D8 METAL
D10 LEVEL
D14 DDC
D18 MEMO 2
D11 MPX
D15 dbx
D19 REFERENCE
U9 10kΩ x 4
U10 10kΩ x 3
U2
C1 0.22F / 5.5V
C3 0.047/50V (CE)
C2 33p (J) / 50V (CE)
R31 82k (2%)
SW PCB-B
U1 GL3N412 (GRN)
START MEMO
STOP MEMO
D1, D2: LN01801C (ORG)
COUNTER PCB - A
MIC -67dB
PHONES -15.7dB/8Ω
U1: M5216L
U2: M5218L
JACK PCB
To MAIN PCB P713
To MAIN PCB P707
LINE IN L
LINE IN R
OUTPUT
R36 20k (A) x 2
RECORD
R101 50k (A)
R201 50k (A)
OUTPUT VR L
OUTPUT VR R
OUTPUT L
OUTPUT R
REC VR L
REC VR R
To MAIN PCB P709
To MAIN PCB P710
To MAIN PCB P706

V-850X

1st Issue; September,1985

TEAC SCHEMATIC DIAGRAM R-888X/V-850X (DBX PCB)

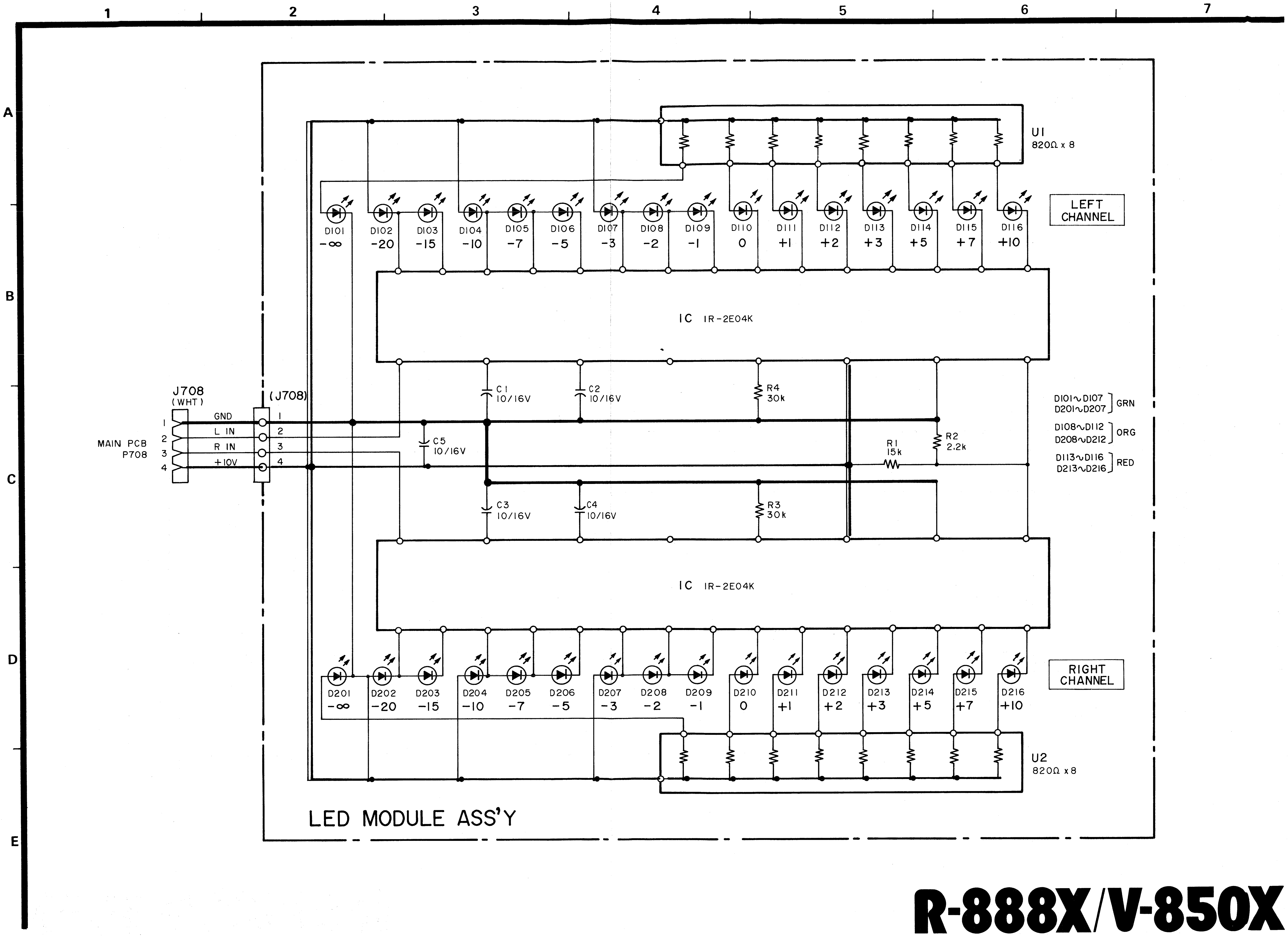


1
2
3
4
5
6
7
A
B
C
D
E
U702
R61
R601 ~ R623 , R648
C601 ~ C617
R ch
DECODER
U701 AN6291
U702 M5218L
Q501 ~ Q503
(Q601 ~ Q603)
2SC1740SLNS
L ch
R71 2.2k (B)
U701
CURRENT SOURCE
SUB
RMS - B
CCA - B
OP AMP - B
RMS - A
CCA - A
OP AMP - A
LOGIC
C701 1/50V
R701 1k (2%)
Q701
R703 100k
R704 100k
R702 1k
C703 4.7/35V
Q701 2SA933SLNS
TP2
U702 (1/2)
4.9V
R501 15k
R503 100k
C501 1/50V
Q501
R502 1k
R504 100k
R505 3.3k
C502 0.1/50V
C503 0.1/50V
R506 33k
R507 150k
R509 4.7k
R510 15k
R511 15k
R508 240k
C504 0.0033 100V
C505 0.0033 /100V
C506 330p/100V (PC)
R512 3.3k
Q502
Q503
R513 3.3k
C507 0.33/50V (LL)
R514 10k
C508 0.033/100V
R515 1k
R516 10
C509 10/35V (LL)
R517 4.7k
R518 15k
C510 470p/50V (PC)
C511 0.68/50V (LL)
C512 47/10V
R520 15k
C513 0.0047 /100V
R519 150
R521 4.7k
C514 0.022/100V
C515 1/50V
R522 100k
C702 10/16V
C516 100p/50V (CE)
R523 15k
U702 (1/2)
R51 2.2k (B)
C517 10/16V
R548 33k
TP.1
R705 68 (1/4W)
4.9V
6.9V
C704 100/10V
D701
D701 RD5.1EB-2
J701
MAIN PCB P701
DEC R IN
DEC L IN
GND
DEC R OUT
DEC L OUT
+7V
ENC L OUT
-7V
ENC R OUT
ENC L IN
ENC R IN
6.9V
-6.8V
U704
R62
R624 ~ R647
C618 ~ C634
R ch
U704 (1/2)
C705 1/50V
ENCODER
U703 AN6291
U704 M5218L
Q504 ~ Q506
(Q604 Q606)
2SC1740SLNS
R72 2.2k (B)
U703
4.9V
TP3
R706 1k (2%)
L ch
R524 100
R526 470k
C535 220p/50V (CE)
C518 0.1/50V
Q504
R525 100k
R527 470k
R528 3.3k
R529 10k
R530 1k
R531 10
C519 0.33/50V (LL)
C520 0.033/100V
C521 10/35V (LL)
R532 4.7k
R533 15k
C522 0.022/100V
C523 0.68/50V (LL)
C524 47/10V
R535 15k
R536 4.7k
C526 390p/50V (PC)
C525 0.0047/100V
R534 150
C527 10/16V
C706 10/16V
C528 0.1/50V
R538 150k
R540 4.7k
R541 15k
R542 15k
C529 0.1/50V
R537 33k
C531 0.0033 /100V
Q505
Q506
R545 10k
R539 240k
C530 0.0033/100V
C532 330p/100V (PC)
R543 3.3k
R544 3.3k
C533 100p/50V (CE)
R546 15k
C534 10/16V
U704 (1/2)
R52 10k (B)
R547 33k
-6.8V

R-888X/V-850X

1st Issue; September,1985

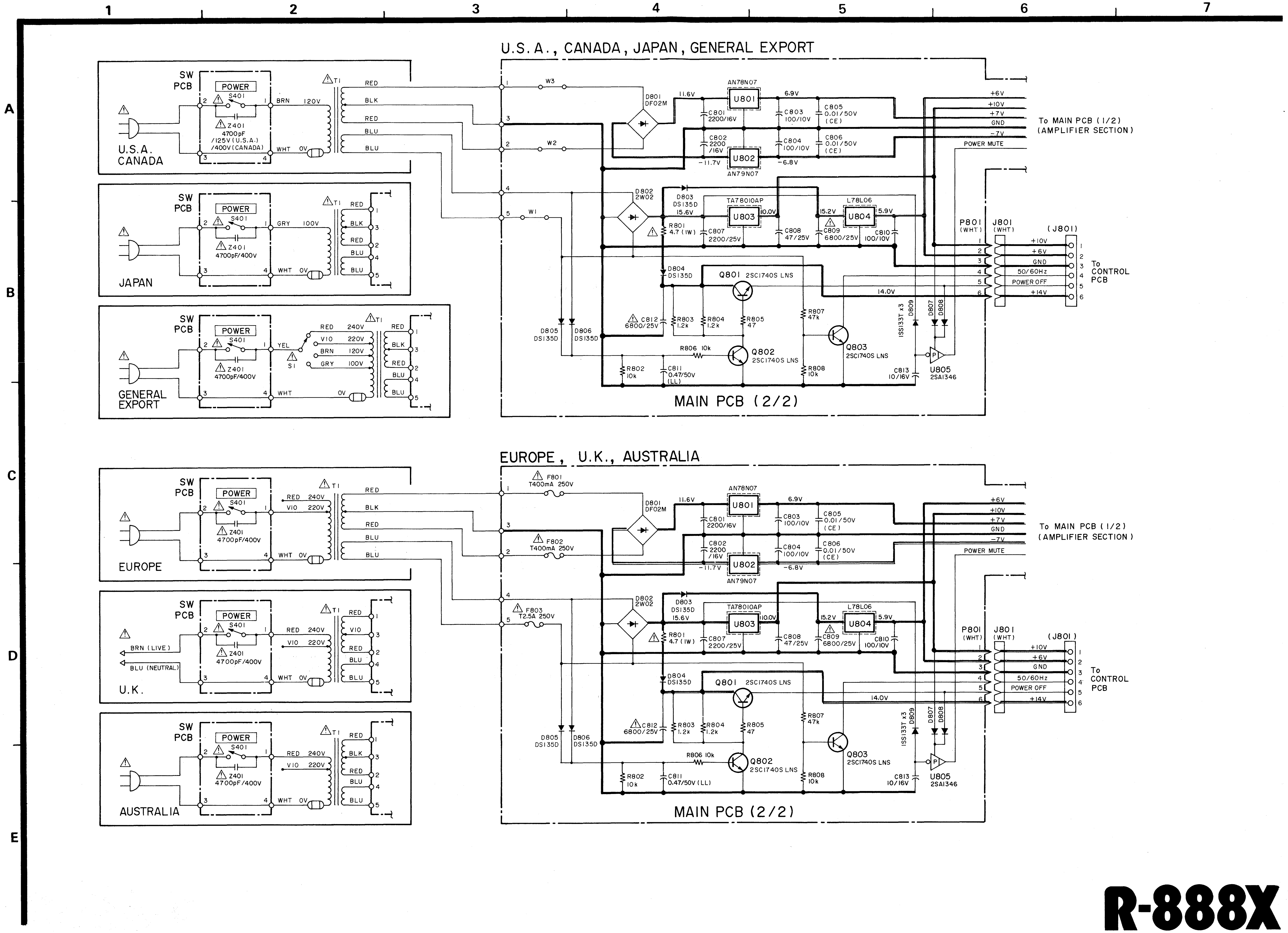
TEAC SCHEMATIC DIAGRAM **V-850X/V-750** (LED MODULE PCB)


1
2
3
4
5
6
7
A
B
C
D
E
U1
820Ω x 8
D101 -∞
D102 -20
D103 -15
D104 -10
D105 -7
D106 -5
D107 -3
D108 -2
D109 -1
D110 0
D111 +1
D112 +2
D113 +3
D114 +5
D115 +7
D116 +10
LEFT CHANNEL
IC IR-2E04K
J708 (WHT)
(J708)
MAIN PCB P708
1 GND 1
2 L IN 2
3 R IN 3
4 +10V 4
C1 10/16V
C2 10/16V
C5 10/16V
R4 30k
R1 15k
R2 2.2k
C3 10/16V
C4 10/16V
R3 30k
D101~D107 D201~D207 GRN
D108~D112 D208~D212 ORG
D113~D116 D213~D216 RED
IC IR-2E04K
D201 -∞
D202 -20
D203 -15
D204 -10
D205 -7
D206 -5
D207 -3
D208 -2
D209 -1
D210 0
D211 +1
D212 +2
D213 +3
D214 +5
D215 +7
D216 +10
RIGHT CHANNEL
U2
820Ω x8
LED MODULE ASS'Y

R-888X/V-850X

1st Issue; September,1985

TEAC SCHEMATIC DIAGRAM R-888X (POWER SUPPLY SECTION)

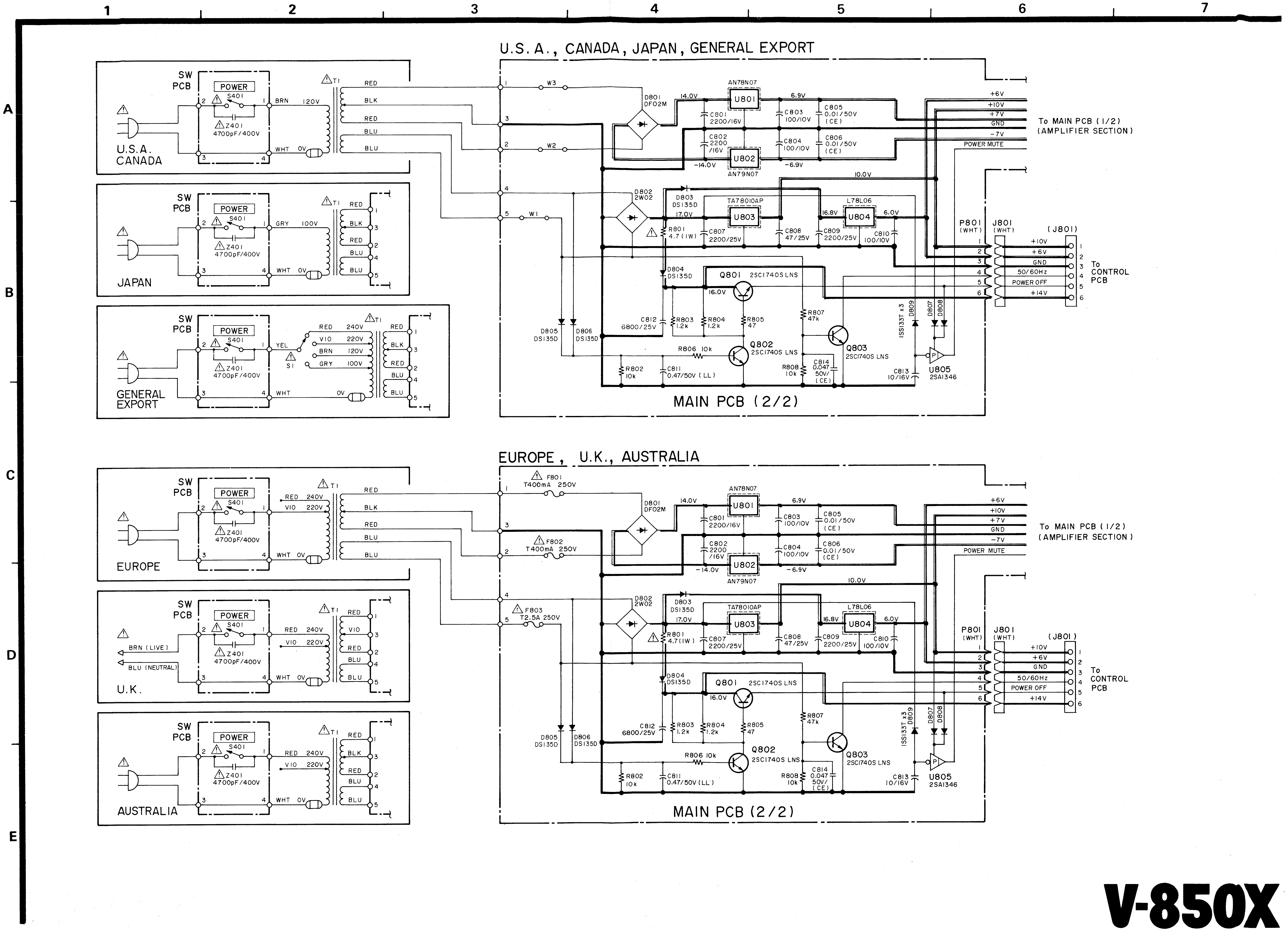


1
2
3
4
5
6
7
A
B
C
D
E
U.S.A., CANADA, JAPAN, GENERAL EXPORT
SW PCB
POWER
S401
Z401
4700pF /125V (U.S.A.) /400V (CANADA)
4700pF/400V
U.S.A. CANADA
JAPAN
GENERAL EXPORT
T1
S1
BRN
120V
WHT
0V
GRY
100V
YEL
RED
240V
VIO
220V
BLK
BLU
W1
W2
W3
D801 DF02M
D802 2W02
D803 DS135D
D804 DS135D
D805 DS135D
D806 DS135D
11.6V
6.9V
-11.7V
-6.8V
15.6V
10.0V
15.2V
5.9V
14.0V
AN78N07
U801
AN79N07
U802
TA78010AP
U803
L78L06
U804
C801 2200/16V
C802 2200 /16V
C803 100/10V
C804 100/10V
C805 0.01/50V (CE)
C806 0.01/50V (CE)
C807 2200/25V
C808 47/25V
C809 6800/25V
C810 100/10V
C811 0.47/50V (LL)
C812 6800/25V
C813 10/16V
R801 4.7 (1W)
R802 10k
R803 1.2k
R804 1.2k
R805 47
R806 10k
R807 47k
R808 10k
Q801 2SC1740S LNS
Q802 2SC1740S LNS
Q803 2SC1740S LNS
1SS133T x3
D807
D808
D809
U805 2SA1346
+6V
+10V
+7V
GND
-7V
POWER MUTE
To MAIN PCB (1/2) (AMPLIFIER SECTION)
P801 (WHT)
J801 (WHT)
(J801)
+10V
+6V
GND
50/60Hz
POWER OFF
+14V
To CONTROL PCB
MAIN PCB (2/2)
EUROPE, U.K., AUSTRALIA
EUROPE
U.K.
AUSTRALIA
BRN (LIVE)
BLU (NEUTRAL)
F801 T400mA 250V
F802 T400mA 250V
F803 T2.5A 250V

R-888X

1st Issue; September,1985

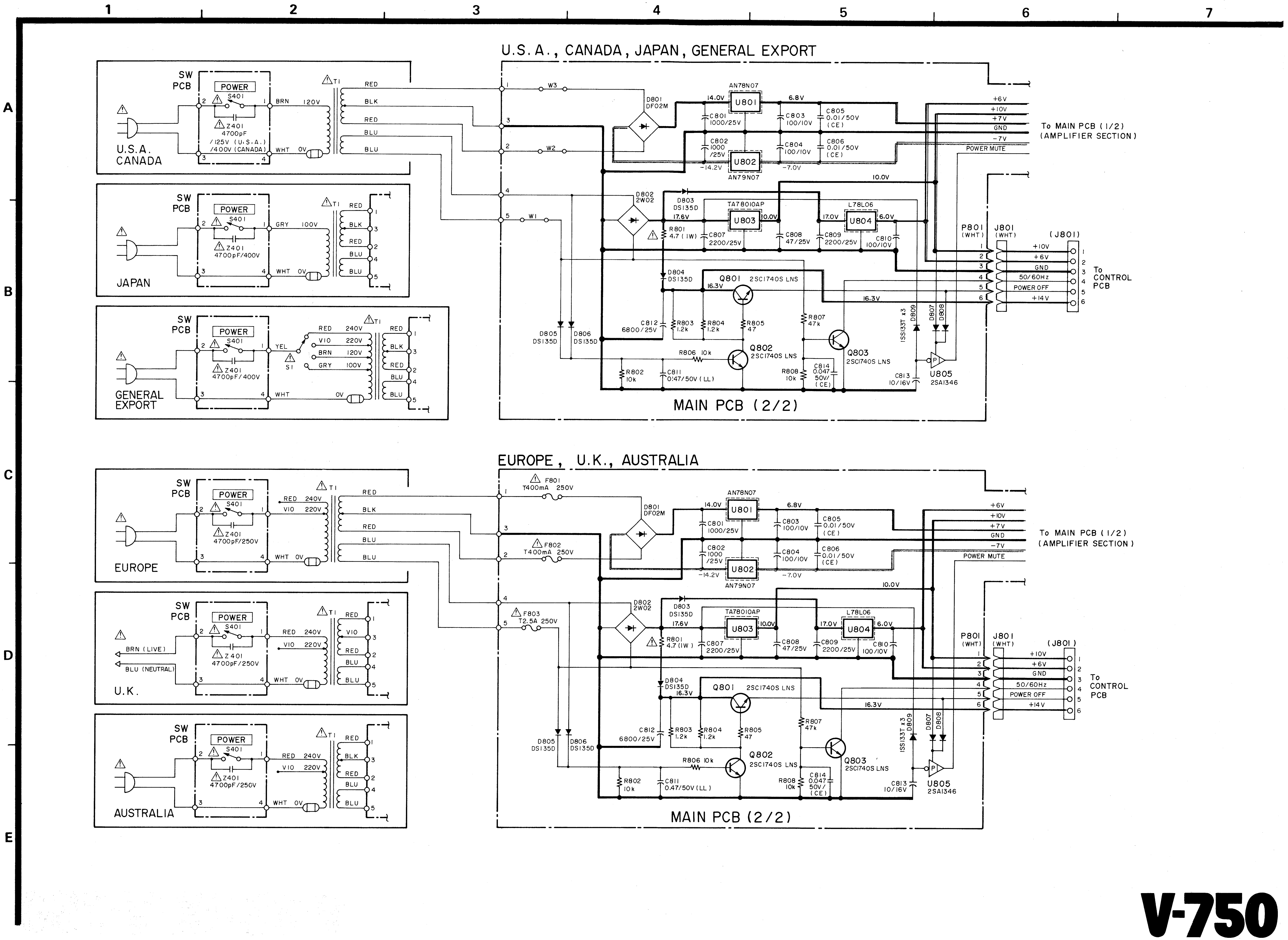
TEAC SCHEMATIC DIAGRAM **V-850X** (POWER SUPPLY SECTION)


1
2
3
4
5
6
7
A
B
C
D
E
U.S.A., CANADA, JAPAN, GENERAL EXPORT
SW PCB
POWER
S401
Z401
4700pF/400V
U.S.A. CANADA
JAPAN
GENERAL EXPORT
T1
RED
BLK
BLU
BRN 120V
GRY 100V
WHT 0V
YEL
S1
RED 240V
VIO 220V
BRN 120V
GRY 100V
W1
W2
W3
D801 DF02M
D802 2W02
D803 DS135D
D804 DS135D
D805 DS135D
D806 DS135D
AN78N07
U801
AN79N07
U802
TA78010AP
U803
L78L06
U804
14.0V
6.9V
-14.0V
-6.9V
10.0V
17.0V
16.8V
6.0V
16.0V
C801 2200/16V
C802 2200 /16V
C803 100/10V
C804 100/10V
C805 0.01/50V (CE)
C806 0.01/50V (CE)
C807 2200/25V
C808 47/25V
C809 2200/25V
C810 100/10V
C811 0.47/50V (LL)
C812 6800/25V
C813 10/16V
C814 0.047 50V/ (CE)
R801 4.7 (1W)
R802 10k
R803 1.2k
R804 1.2k
R805 47
R806 10k
R807 47k
R808 10k
Q801 2SC1740S LNS
Q802 2SC1740S LNS
Q803 2SC1740S LNS
U805 2SA1346
1SS133T x3
D807
D808
D809
+6V
+10V
+7V
GND
-7V
POWER MUTE
To MAIN PCB (1/2) (AMPLIFIER SECTION)
P801 (WHT)
J801 (WHT)
(J801)
+10V
+6V
GND
50/60Hz
POWER OFF
+14V
To CONTROL PCB
MAIN PCB (2/2)
EUROPE, U.K., AUSTRALIA
EUROPE
U.K.
AUSTRALIA
BRN (LIVE)
BLU (NEUTRAL)
VIO 220V
RED 240V
F801 T400mA 250V
F802 T400mA 250V
F803 T2.5A 250V

V-850X

1st Issue; Septemb er,1985

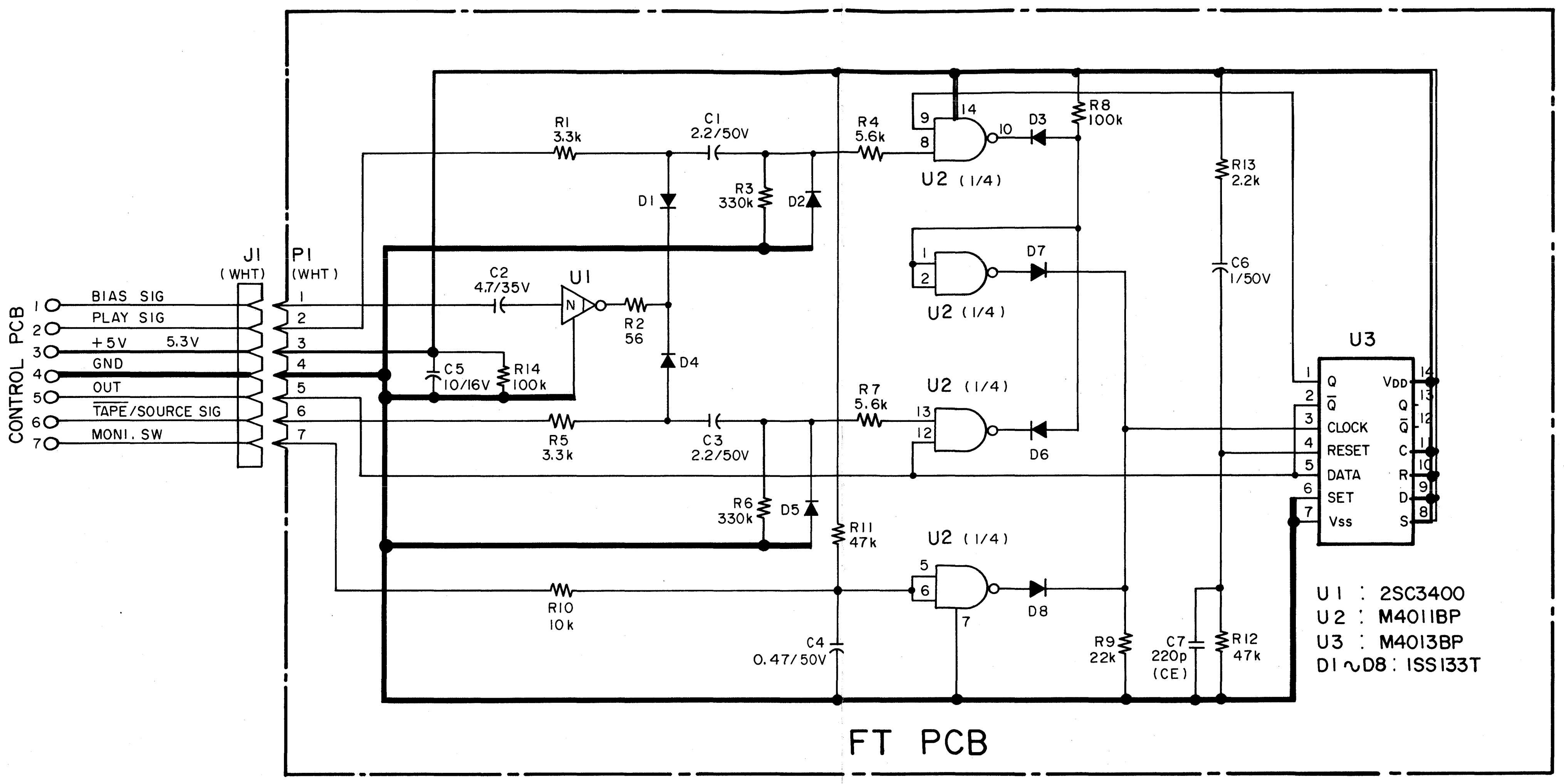
TEAC SCHEMATIC DIAGRAM V-750 (POWER SUPPLY SECTION)


1
2
3
4
5
6
7
A
B
C
D
E
U.S.A., CANADA, JAPAN, GENERAL EXPORT
SW PCB
POWER
S401
Z401
4700pF
/125V (U.S.A.)
/400V (CANADA)
4700pF/400V
T1
BRN 120V
GRY 100V
YEL
S1
RED 240V
VIO 220V
BRN 120V
GRY 100V
WHT 0V
RED
BLK
BLU
U.S.A.
CANADA
JAPAN
GENERAL EXPORT
W3
W2
W1
D801
DF02M
D802
2W02
D803
DS135D
AN78N07
U801
AN79N07
U802
14.0V
6.8V
-14.2V
-7.0V
C801
1000/25V
C802
1000
/25V
C803
100/10V
C804
100/10V
C805
0.01/50V
(CE)
C806
0.01/50V
(CE)
10.0V
TA78010AP
U803
L78L06
U804
17.6V
17.0V
6.0V
R801
4.7 (1W)
C807
2200/25V
C808
47/25V
C809
2200/25V
C810
100/10V
D804
DS135D
16.3V
Q801 2SC1740S LNS
C812
6800/25V
R803
1.2k
R804
1.2k
R805
47
R807
47k
R806 10k
Q802
2SC1740S LNS
Q803
2SC1740S LNS
D805
DS135D
D806
DS135D
R802
10k
C811
0.47/50V (LL)
R808
10k
C814
0.047
50V/
(CE)
C813
10/16V
1SS133T x3
D809
D807
D808
U805
2SA1346
+6V
+10V
+7V
GND
-7V
POWER MUTE
To MAIN PCB (1/2)
(AMPLIFIER SECTION)
P801
(WHT)
J801
(WHT)
(J801)
+10V
+6V
GND
50/60Hz
POWER OFF
+14V
To CONTROL PCB
MAIN PCB (2/2)
EUROPE, U.K., AUSTRALIA
4700pF/250V
EUROPE
BRN (LIVE)
BLU (NEUTRAL)
U.K.
AUSTRALIA
F801
T400mA 250V
F802
T400mA 250V
F803
T2.5A 250V

V-750

1st Issue; September,1985

TEAC SCHEMATIC DIAGRAM **V-850X/V-750** (FT PCB)


1
2
3
4
5
6
7
A
B
C
D
E
CONTROL PCB
1 BIAS SIG
2 PLAY SIG
3 +5V 5.3V
4 GND
5 OUT
6 TAPE/SOURCE SIG
7 MONI. SW
J1 (WHT)
P1 (WHT)
R1 3.3k
C1 2.2/50V
R3 330k
D1
D2
R4 5.6k
U2 (1/4)
R8 100k
D3
R13 2.2k
C6 1/50V
C2 4.7/35V
U1
R2 56
D4
C5 10/16V
R14 100k
R5 3.3k
C3 2.2/50V
R6 330k
D5
R7 5.6k
R11 47k
R10 10k
C4 0.47/50V
D6
D7
D8
R9 22k
C7 220p (CE)
R12 47k
U3
Q
Q̄
CLOCK
RESET
DATA
SET
Vss
VDD
Q
Q̄
C
R
D
S
U1 : 2SC3400
U2 : M4011BP
U3 : M4013BP
D1 ~ D8 : ISS133T
FT PCB

INSTRUCTIONS FOR SERVICE PERSONNEL

BEFORE RETURNING APPLIANCE TO THE CUSTOMER, MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.

NOTES

1. Resistor values are in ohms (k=kilo-ohms, M=megohms).
2. Capacitor values are in microfarads (p=picofarads).
3. Voltage and signal level values are for reference only.
   0dB=0.775V
4. ▭ : Front panel indication
5. ⬚ : Rear panel indication
6. ——— : +B power supply circuit
7. ——— : -B power supply circuit
8. ⚠Parts marked with this sign are safety critical components. They must always be replaced with identical components-refer to the appropriate parts list and ensure exact replacement.

注意

1. 抵抗の単位はΩ(k＝kΩ, M＝MΩ)です
2. コンデンサの単位はμF(p＝pF)です.
3. 電圧及び信号レベルは参考値です.
   0dB＝0.775V
4. ▭ ：フロント・パネル上の表示
5. ⬚ ：リア・パネル上の表示
6. ——— ：＋B 電源回路
7. ——— ：－B 電源回路
8. ⚠マークのある部品は安全重要部品です.
   交換するときは必ずティアック指定の部品を使用してください.

V-850X/V-750

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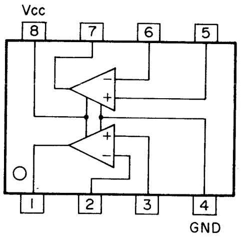
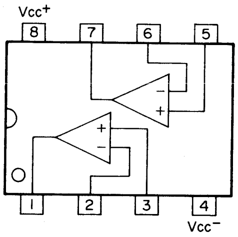
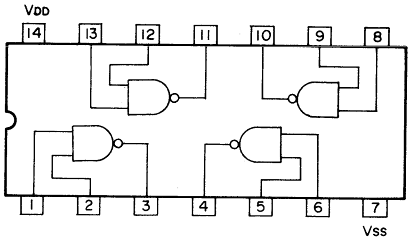
LA6358


Vcc
8
7
6
5
1
2
3
4
GND

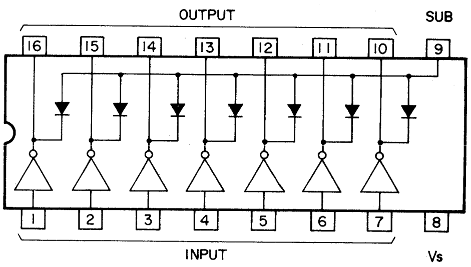
M5220P


Vcc+
8
7
6
5
1
2
3
4
Vcc−

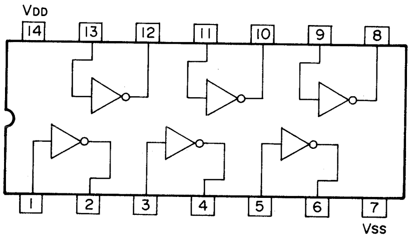
M4011BP
μPD4011BC


VDD
14
13
12
11
10
9
8
1
2
3
4
5
6
7
Vss

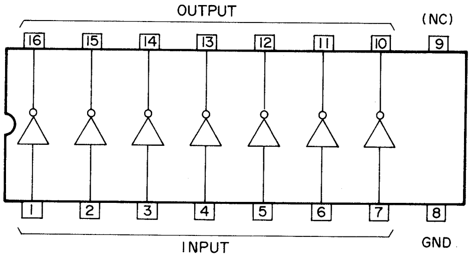
M54561P


OUTPUT
SUB
16
15
14
13
12
11
10
9
1
2
3
4
5
6
7
8
INPUT
Vs

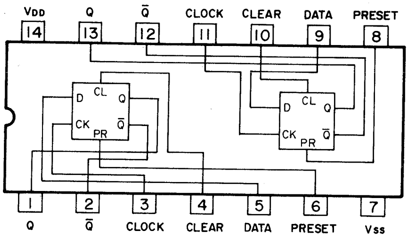
TC4069UBP


VDD
14
13
12
11
10
9
8
1
2
3
4
5
6
7
Vss

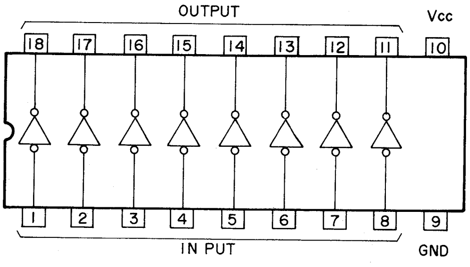
M54517P


OUTPUT
(NC)
16
15
14
13
12
11
10
9
1
2
3
4
5
6
7
8
INPUT
GND

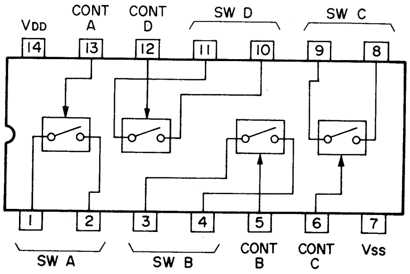
M4013BP


VDD
Q
Q̄
CLOCK
CLEAR
DATA
PRESET
14
13
12
11
10
9
8
D
CL
Q
CK
PR
Q̄
D
CL
Q
CK
PR
Q̄
1
2
3
4
5
6
7
Q
Q̄
CLOCK
CLEAR
DATA
PRESET
Vss

M54565P


OUTPUT
Vcc
18
17
16
15
14
13
12
11
10
1
2
3
4
5
6
7
8
9
IN PUT
GND

M4066BP


VDD
CONT A
CONT D
SW D
SW C
14
13
12
11
10
9
8
1
2
3
4
5
6
7
SW A
SW B
CONT B
CONT C
Vss

R-888X/V-850X/V-750

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